



CERTIFICATE of COMPLETION

Pranay Mahendrakar

has completed

**AI Fluency for
nonprofits**

ANTHROPIC

GIVINGTUESDAY



CERTIFICATE of COMPLETION

Pranay Mahendrakar

has completed

**Claude Code
101**

Issued: April 26, 2026

ANTHROPIC



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has completed

**Claude with Google
Vertex AI**

Issued: April 27, 2026

Certificate No: 9bzp7bzzgqg9

View: <https://verify.skilljar.com/c/9bzp7bzzgqg9>

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has completed

**Claude with Amazon
Bedrock**

Issued: April 27, 2026

Certificate No: 9r5o6ior6pox

View: <https://verify.skilljar.com/c/9r5o6ior6pox>

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CERTIFICATE of COMPLETION

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has completed

Teaching the AI Fluency Framework

ANTHROPIC



CERTIFICATE of COMPLETION

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has completed

Claude Code in Action

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has completed

Claude 101

Issued: April 26, 2026

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has completed

AI Fluency: Framework & Foundations

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has completed

**Claude with the
Anthropic API**

Issued: April 27, 2026

Certificate No: kaht6tv48frz

View: <https://verify.skilljar.com/c/kaht6tv48frz>

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**Introduction to agent
skills**

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**AI Fluency:
AI Capabilities &
Limitations**

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**AI Fluency for
educators**

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**Introduction to
subagents**

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**AI Fluency for
students**

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Model Context Protocol: Advanced Topics

Issued: April 27, 2026

Certificate No: vtncv9r3gt

View: <https://verify.skilljar.com/c/vtncv9r3gt>

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Introduction to Claude Cowork

Issued: April 26, 2026

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has completed

Introduction to Model Context Protocol

Issued: April 27, 2026

Certificate No: zodu9ndnwu69

View: <https://verify.skilljar.com/c/zodu9ndnwu69>

ANTHROPIC



Pranay M Mahendrakar

has successfully completed

Develop an AI agent with Microsoft Agent Framework

28 October 2025

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Design cloud solutions for the public sector

30 September 2023

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Utilize threat intelligence in Microsoft Sentinel

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Use watchlists in Microsoft Sentinel

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Query logs in Microsoft Sentinel

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Create and manage Microsoft Sentinel workspaces

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Introduction to Microsoft Sentinel

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

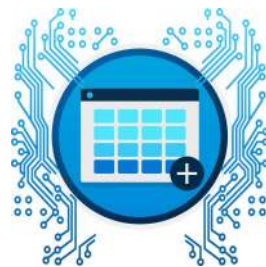
has successfully completed

**Work with data in Microsoft Sentinel using Kusto
Query Language**

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

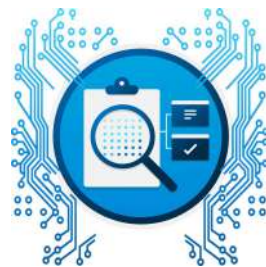
has successfully completed

Build multi-table statements using KQL

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Analyze query results using KQL

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Construct KQL statements for Microsoft Sentinel

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella

Verified Certificate Of Course Completion

Introducing Generative AI with AWS

Awarded to

Pranay M Mahendrakar

July 24, 2025



Udacity has confirmed participation of this individual in this program. Confirmation at www.udacity.com/certificate/e/dcd48bbe-6881-11f0-9639-ffd406ca092d.

A handwritten signature in black ink that reads 'Kai Roemmelt'.

Kai Roemmelt

CEO, Udacity



Pranay M Mahendrakar

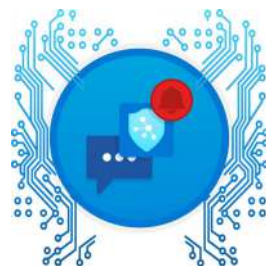
has successfully completed

Integrate MCP Tools with Azure AI Agents

28 October 2025

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Satya Narayana Nadella



Pranay M Mahendrakar

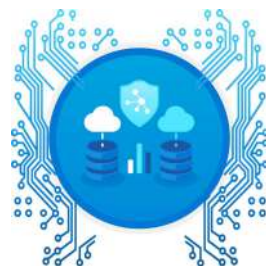
has successfully completed

**Remediate security alerts using Microsoft Defender for
Cloud**

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

**Explain cloud workload protections in Microsoft
Defender for Cloud**

22 October 2022

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has successfully completed

Manage your cloud security posture management

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Connect non-Azure resources to Microsoft Defender
for Cloud**

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

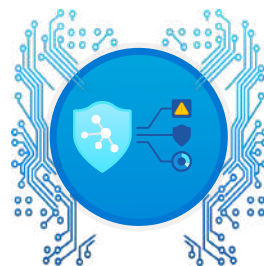
has successfully completed

**Connect non-Azure resources to Microsoft Defender
for Cloud**

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

**Plan for cloud workload protections using Microsoft
Defender for Cloud**

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Utilize Vulnerability Management in Microsoft
Defender for Endpoint**

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Configure for alerts and detections in Microsoft
Defender for Endpoint**

22 October 2022

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has successfully completed

**Configure and manage automation using Microsoft
Defender for Endpoint**

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Perform evidence and entities investigations using
Microsoft Defender for Endpoint**

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

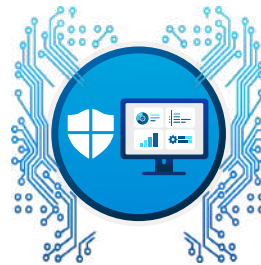
has successfully completed

**Develop a multi-agent solution with Azure AI Foundry
Agent Service**

28 October 2025

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Satya Narayana Nadella



Pranay M Mahendrakar

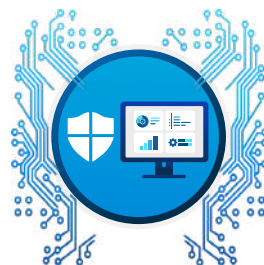
has successfully completed

**Perform actions on a device using Microsoft Defender
for Endpoint**

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

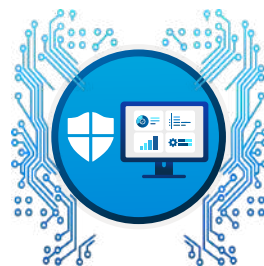
has successfully completed

**Perform actions on a device using Microsoft Defender
for Endpoint**

22 October 2022

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

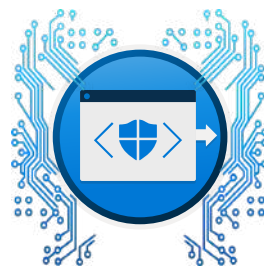
has successfully completed

**Perform device investigations in Microsoft Defender
for Endpoint**

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Deploy the Microsoft Defender for Endpoint
environment**

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

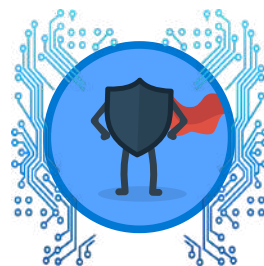
has successfully completed

**Implement Windows security enhancements with
Microsoft Defender for Endpoint**

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Protect against threats with Microsoft Defender for
Endpoint**

22 October 2022

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has successfully completed

Manage insider risk in Microsoft Purview

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Respond to data loss prevention alerts using Microsoft
365**

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Secure your cloud apps and services with Microsoft
Defender for Cloud Apps**

22 October 2022

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**Safeguard your environment with Microsoft Defender
for Identity**

22 October 2022

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has successfully completed

Integrate custom tools into your agent

28 October 2025

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Satya Narayana Nadella



Pranay M Mahendrakar

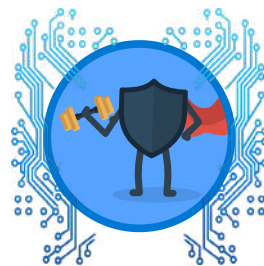
has successfully completed

**Protect your identities with Azure AD Identity
Protection**

22 October 2022

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Satya Narayana Nadella



Pranay M Mahendrakar

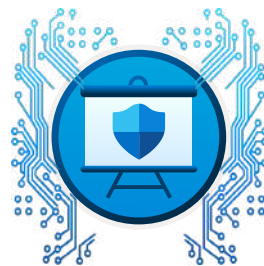
has successfully completed

Remediate risks with Microsoft Defender for Office 365

22 October 2022

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Satya Narayana Nadella



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has successfully completed

Introduction to Microsoft 365 threat protection

22 October 2022

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has successfully completed

Discover Azure AI Agents with A2A

28 October 2025

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Satya Narayana Nadella



Pranay M Mahendrakar

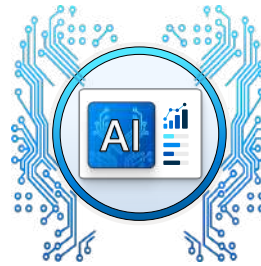
has successfully completed

**Orchestrate a multi-agent solution using the Microsoft
Agent Framework**

28 October 2025

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Satya Narayana Nadella



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has successfully completed

Leverage AI tools and resources for your business

28 October 2025

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Satya Narayana Nadella



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has successfully completed

Connect Azure assets to Microsoft Defender for Cloud

22 October 2022

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Satya Narayana Nadella



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has successfully completed

**Develop AI agents with the Azure AI Foundry
extension in Visual Studio Code**

28 October 2025

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

**Develop an AI agent with Azure AI Foundry Agent
Service**

28 October 2025

A handwritten signature in black ink, reading "Satya N.".

Satya Narayana Nadella



Pranay M Mahendrakar

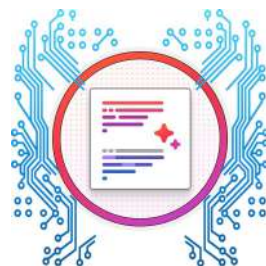
has successfully completed

Get started with AI agent development on Azure

28 October 2025

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Satya Narayana Nadella



Pranay M Mahendrakar

has successfully completed

Introduction to generative AI and agents

28 October 2025

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Satya Narayana Nadella



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has successfully completed

Encrypt public sector data in Azure

30 September 2023

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Satya Narayana Nadella



ACADEMY

CERTIFICATE OF COMPLETION

This certificate is awarded to
Pranay Mahendrakar

for successfully completing the course:
The Fundamentals of RDMA Programming

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025
Date issued



ACADEMY

CERTIFICATE OF COMPLETION

This certificate is awarded to
Pranay Mahendrakar
for successfully completing the course:
NVIDIA License System - NLS

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025
Date issued



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This certificate is awarded to
Pranay Mahendrakar

for successfully completing the course:
Base Command Manager Administration

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025

Date issued



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Pranay Mahendrakar

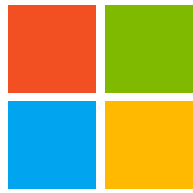
for successfully completing the course:
AI for All: From Basics to GenAI Practice

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025

Date issued



Microsoft

Jul 8, 2025

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has successfully completed

Build a computer vision app with Azure Cognitive Services

an online non-credit project authorized by Microsoft and offered through Coursera

Catalin Popa

Catalin Popa
Microsoft Azure MVP
Microsoft MCT

PROJECT
CERTIFICATE



Verify at:

<https://coursera.org/verify/G8YEW6NDY66A>

Coursera has confirmed the identity of this individual and their participation in the project.



Jul 8, 2025

Pranay M Mahendrakar

has successfully completed

AWS S3 Basics

an online non-credit project authorized by Coursera Project Network and offered through
Coursera

A handwritten signature in black ink that reads "Sorabh Kaushik".

Sorabh Kaushik
Cloud Solution Architect
Cloud Computing

PROJECT
CERTIFICATE



Verify at:
<https://coursera.org/verify/O6PYU9Z5VFJ2>

Coursera has confirmed the identity of this individual and
their participation in the project.



Jul 8, 2025

Pranay M Mahendrakar

has successfully completed

Business Analysis & Process Management

an online non-credit project authorized by Coursera Project Network and offered through
Coursera

A handwritten signature in black ink that reads "Mahi".

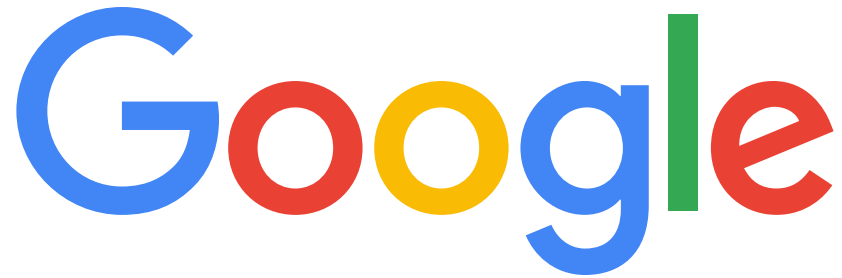
Mahi Ismail
Researcher & Assistant Lecturer

PROJECT
CERTIFICATE



Verify at:
<https://coursera.org/verify/YU0Y21ZBTKH0>

Coursera has confirmed the identity of this individual and
their participation in the project.



Jun 12, 2025

Pranay M Mahendrakar

has successfully completed

Google Prompting Essentials

an online non-credit course authorized by Google and offered through Coursera

A handwritten signature in black ink, reading "Amanda Brophy".

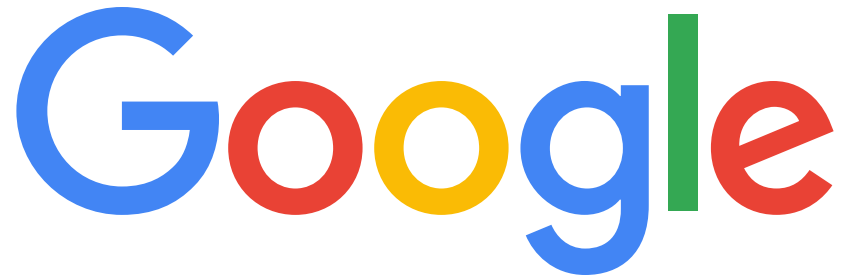
Amanda Brophy
Global Director of Google Career Certificates

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/0JXVAQJK29N2>

Coursera has confirmed the identity of this individual and
their participation in the course.



Jun 12, 2025

Pranay M Mahendrakar

has successfully completed

Google AI Essentials

an online non-credit course authorized by Google and offered through Coursera

A handwritten signature in black ink, reading "Amanda Brophy".

Amanda Brophy
Global Director of Google Career Certificates

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/W8C0ZL4VAVYT>

Coursera has confirmed the identity of this individual and
their participation in the course.



भारतीय सुदूर संवेदन संस्थान/INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



सत्यमेव जयते

नामांकन सं./ Enrollment No.: 202410422652231

आई.आई.आर.एस. आउटरीच कार्यक्रम
IIRS Outreach Programme

कार्यशाला में सहभागिता का प्रमाणपत्र/CERTIFICATE OF PARTICIPATION IN WORKSHOP

यह प्रमाणित किया जाता है कि

MR. PRANAY M MAHENDRAKAR

ने इस संस्थान द्वारा दिनांक **2024-12-24** को आयोजित एक दिवसीय ऑनलाइन कार्यशाला,
रमन स्पेक्ट्रोस्कोपी और पृथ्वी अवलोकन में इसके अनुप्रयोग
में भाग लिया।

(संबन्धित आई.आई.आर.एस नोडल केंद्र- सोनीटेक)

This is to certify that

MR. PRANAY M MAHENDRAKAR

has participated in one day online workshop titled

Raman Spectroscopy and its Applications in Earth Observation

conducted by this institute on **24-12-2024.**

(Concerned IIRS Nodal Centre- Sonytech)

समन्वयक, विश्वविद्यालय/संस्थान

Coordinator, University/Institution

निदेशक/Director

आई०आई०आर०एस, देहरादून/IIRS, Dehradun

Date: 08-01-2025

Place: Dehradun

UID: 10dae9629aa70012b102fb758ece0d48 .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR202515621489

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि **सोनीटेक** कार्यरत **श्री प्रणय म महेंद्रकर**, ने **पायथन और मशीन लर्निंग** द्वारा भू-स्थानिक डाटा **प्रसंस्करण** विषय पर इस संस्थान द्वारा दिनांक 2025-02-17 से 2025-02-28 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MR. PRANAY M MAHENDRAKAR**, working with **Sonytech**, has coordinated the online training course on **Geodata Processing using Python and Machine Learning** conducted by this institute during February 17, 2025 to February 28, 2025

दिनांक/ Date: 24-03-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



बहिःपरिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

COR2025104221489

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि सोनीटेक कार्यरत श्री प्रणय म महेंद्रकर ने रमन स्पेक्ट्रोस्कोपी और पृथ्वी अवलोकन में इसके अनुप्रयोग विषय पर इस संस्थान द्वारा दिनांक 2024-12-24 को आयोजित एक दिवसीय ऑनलाइन कार्यशाला को समन्वित किया।

This is to certify that **MR. PRANAY M MAHENDRAKAR**, working with **Sonytech**, has coordinated one day online workshop on **Raman Spectroscopy and its Applications in Earth Observation** conducted by this institute on December 24, 2024

दिनांक/ Date: 08-01-2025

देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

COR2025104421489

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि **सोनीटेक** कार्यरत **श्री प्रणय म महेंद्रकर** ने **अंतरिक्ष प्रौद्योगिकी के अनुप्रयोग** विषय पर इस संस्थान द्वारा दिनांक 2025-01-10 को आयोजित एक दिवसीय ऑनलाइन कार्यशाला को समन्वित किया।

This is to certify that **MR. PRANAY M MAHENDRAKAR**, working with **Sonytech**, has coordinated one day online workshop on **अंतरिक्ष प्रौद्योगिकी के अनुप्रयोग** conducted by this institute on January 10, 2025

दिनांक/ Date: 17-01-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR202515721489

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि **सोनीटेक** कार्यरत **श्री प्रणय म महेंद्रकर**, ने **मृदा का सुदूर संवेदन : मानचित्रण, वर्गीकरण एवं कृषि भू-उपयोग नियोजन के लिए मूल्यांकन** विषय पर इस संस्थान द्वारा दिनांक 2025-03-03 से 2025-03-07 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MR. PRANAY M MAHENDRAKAR**, working with **Sonytech**, has coordinated the online training course on **Remote Sensing of Soils: Mapping, Classification and Evaluation for Agricultural Land Use Planning** conducted by this institute during March 03, 2025 to March 07, 2025

दिनांक/ Date: 17-04-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



COR202515721489

बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **सोनीटेक** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **मृदा का सुदूर संवेदन : मानचित्रण, वर्गीकरण एवं कृषि भू-उपयोग नियोजन के लिए मूल्यांकन** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2025-03-03 से 2025-03-07 तक किया गया।

This is to certify that **Sonytech**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Remote Sensing of Soils: Mapping, Classification and Evaluation for Agricultural Land Use Planning**. This online programme was conducted during March 03, 2025 to March 07, 2025

दिनांक/ Date: 17-04-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



बहिः परिसर संपर्क/ विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

COR2025104221489

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **सोनीटेक** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **रमन स्पेक्ट्रोस्कोपी और पृथ्वी अवलोकन में इसके अनुप्रयोग** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2024-12-24 से 2024-12-24 तक किया गया।

This is to certify that **Sonytech**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Raman Spectroscopy and its Applications in Earth Observation**. This online programme was conducted during December 24, 2024 to December 24, 2024

दिनांक/ Date: 08-01-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

COR2025104421489

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **सोनीटेक** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **अंतरिक्ष प्रौद्योगिकी के अनुप्रयोग** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2025-01-10 से 2025-01-10 तक किया गया।

This is to certify that **Sonytech**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **अंतरिक्ष प्रौद्योगिकी के अनुप्रयोग**. This online programme was conducted during January 10, 2025 to January 10, 2025

दिनांक/ Date: 17-01-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

COR202515621489

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **सोनीटेक** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **पायथन और मशीन लर्निंग द्वारा भू-स्थानिक डाटा प्रसंस्करण** में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 2025-02-17 से 2025-02-28 तक किया गया।

This is to certify that **Sonytech**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Geodata Processing using Python and Machine Learning**. This online programme was conducted during February 17, 2025 to February 28, 2025

दिनांक/ Date: 24-03-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



Oracle Certified Foundations Associate

Certificate of Recognition

Pranay Mahendrakar

Oracle Cloud Infrastructure 2024 Certified AI Foundations Associate

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

November 04, 2024

Date

A handwritten signature in black ink, appearing to read "D. Carey".

Damien Carey
Senior Vice President, Oracle University



100895656OCI24AICFA



Oracle Certified Foundations Associate

Certificate of Recognition

Pranay Mahendrakar

Oracle Guided Learning Project Management Certified Foundations Associate - Rel 1 (Beta)

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

November 04, 2024

Date

A handwritten signature in black ink, appearing to read "D. Carey".

Damien Carey
Senior Vice President, Oracle University



100895656OGLPMCFA



DATA PRIVACY PLEDGE

Data Privacy Day #PrivacyMatters

Certificate

This is to certify that

Pranay M Mahendrakar

has taken the 'Data Privacy Pledge' under the 'Data Privacy Day' initiative and shall remain committed to be more conscious about privacy practices and take time to learn about privacy.

3995553246



December, 31 2023



I proudly take the



Hamara Sankalp Viksit Bharat Pledge



We Pledge to:

Make India developed and self-reliant
nation by 2047

Remove any trace of colonial mindset

Celebrate our heritage

Strengthen unity and respect
those who protect the country

Perform the duties of a citizen

9938497257



December, 31 2023



Pranay M. Mahendrakar

Signature



AatmaNirbharBharat (ABC) Pledge

This is to certify that

Pranay M Mahendrakar

has taken the "AatmaNirbhar Bharat (ABC)" Pledge and committed himself/herself to the responsibility of buying and using products Made in India.

9332379445



December, 31 2023



INTERNATIONAL WOMEN'S DAY PLEDGE

On Cyber safety for Women

Certificate

This is to certify that

Pranay Mahendrakar

has taken the pledge for Cyber Safety for Women and shall remain committed to be more conscious about cyber safety of women and stand strong against discriminatory practices online.

5959239974



December, 31 2023





CYBER SECURITY AWARENESS MONTH

DO YOUR PART. #BECYBERSMART

Certificate

This is to certify that

Pranay M Mahendrakar

has taken the 'Cyber Security Awareness Month Pledge' under the 'Do Your Part, Be Cyber Smart' initiative and shall remain committed to inculcate cyber security and online safety practices, both at home and at work to Stay Safe Online and encourage others to do the same for a Safer Cyberspace for all.

7852597932



December, 31 2023



CERTIFICATE *of* COMPLETION

This is to certify that
Pranay M Mahendrakar
has successfully completed the online skilling course on
Python with Advanced AI
a course offered by GUVI through Skill India Digital.

Course completed on Sep 30, 2023 | 7.0 hours



GUVI GEEK
NETWORK PVT LTD



IIT Madras



Validity authorized by Skill India Digital



Arun Prakash M
Founder & CEO, GUVI



Declaration of Completion

Pranay Mahendrakar

has successfully completed the online course:

Introduction to MS Excel

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

04th Oct 2022

Certificate code : 3824119

Krishna Kumar
CEO



Declaration of Completion

Pranay Mahendrakar

has successfully completed the online course:

Blockchain Developer Training

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

03rd Oct 2022

Certificate code : 3823287

Krishna Kumar
CEO



Declaration of Completion

Pranay Mahendrakar

has successfully completed the online course:

Machine Learning

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

01st Oct 2022

Certificate code : 3819186

Krishna Kumar
CEO



Declaration of Completion

Pranay Mahendrakar

has successfully completed the online course:

Programming with Python 3.X

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

01st Oct 2022

Certificate code : 3817862



Krishna Kumar
CEO



Declaration of Completion

Pranay Mahendrakar

has successfully completed the online course:
Introduction to Artificial Intelligence

This professional has demonstrated initiative and a commitment to deepening their skills and advancing their career. Well done!

06th Oct 2022

Certificate code : 3831644



Krishna Kumar
CEO

TCS MasterCraft™ DataPlus

DataPlus Overview Course

Certificate of Appreciation

is presented to

Pranay Mahendrakar

We deeply appreciate your participation in the course and look forward to your active participation in Customer Engagements.



Subrata Das

Head – TCS MasterCraft™ & TCS Tools Group



Susan Mannarapyayil

Head – TCS MasterCraft™ Academy

03 Oct 2022

Date





Certificate of Participation

(Certificate No ISEA/NCERT/PDFSE/0001023)

This is to certify that Mr./Ms. Pranay Mahendrakar

has successfully participated in the quiz on "**Positive Digital Footprints in School Education**" conducted between **6th - 31st October 2022.**

Prof. Amarendra P. Behera
Joint Director, CIET - NCERT



Issued Date 22-10-2022

Shri Ch A S Murty
Associate Director & Coordinator, ISEA PMU



Certificate of Completion

Pranay Mahendrakar

successfully completed

Developing Machine Learning Applications

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Introduction to AWS Mobile SDK

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

PostgreSQL Security

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Introduction to AWS IoT Device Management

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Machine Learning Essentials for Business and Technical Decision Makers

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Build a Text Classification Model with AWS Glue and Amazon SageMaker

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Introduction to Artificial Intelligence

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Introduction to Blockchain

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Data Analytics Fundamentals

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Introduction to Deep Learning

on

10/23/2022



Certificate of Completion

Pranay Mahendrakar

successfully completed

Introduction to Machine Learning

on

10/23/2022



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Power BI in Data Analytics Virtual Case Experience

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Introduction
Call Centre Trends
Customer Retention
Diversity & Inclusion

**Natalie Vogel |
Elisabeth Ziller**
HC Marketing &
Recruitment Leaders

Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Investment Banking Virtual Reality Intern Experience

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

- Prepare a one-page company profile
- Select the appropriate comparable companies
- Calculate relevant financial metrics
- Summarize key findings in an email



**Citi APAC Campus
Team**
Citibank

Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Commercial Banking Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

- Enter a company's most recent financial statement
- Prepare a Capitalization Table
- Prepare a company and industry overview page
- Prepare a deal structure overview page while considering quantitative and qualitative analyses
- Prepare a 10-year Financial Model Forecast

Pranay Mahendrakar

Omnichannel Marketing Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Developing an Integrated Marketing Plan
Digital Transformation of the Retail Guest Experience



Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

On-Premise Sales Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Account Data Analysis
Overcoming Sales Objections

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Agile Methodology Virtual Experience Program

Certificate of Completion
October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Waterfall vs Agile
User Stories
Role Assignments and Ceremonies
Agile Tools and Concepts
Agile Curve Balls

Agile Methodology Review and Additional Resources



**Gregory
Hyttenraugh**
President, North
America - Cognizant



Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Technology Virtual Experience Program

Certificate of Completion

October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Coding
Data Analysis
Development
Cyber Security
Forensic Technology

A handwritten signature in black ink, appearing to read "T. McCreery".

Tina McCreery
Chief Human
Resources Officer,
Deloitte

A handwritten signature in black ink, appearing to read "Tom Brunskill".

Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Advanced Software Engineering Virtual Experience Program

Certificate of Completion
October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Advanced Data Structures
Software Architecture
Relational Database Design
Data Munging



Suresh Kumar
Global Chief
Technology Officer and
Chief Development
Officer



Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Back-End Engineering Virtual Experience Program

Certificate of Completion
October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Software Architecture
Refactoring
Unit Testing
Test-Driven Development

Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Token Service Technology Virtual Experience Program

Certificate of Completion
October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Card Authentication
Select Visa API for Use Cases

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Power Programmer Virtual Experience Program

Certificate of Completion
October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Create a Local Couchbase Lite DB
Integrate React Native with Couchbase DB

A handwritten signature in black ink, appearing to read 'Tom Brunskill', written over a light gray grid background.

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Artificial Intelligence Virtual Experience Program

Certificate of Completion
October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Exploratory Data Analysis
Data Modeling
Model Building and Interpretation
Machine Learning Production
Quality Assurance

A handwritten signature in black ink, appearing to read 'Tom Brunskill', written over a light gray grid background.

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Developer Virtual Experience Program

Certificate of Completion

October 4th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Define technical requirements
Design changes to an existing
architecture
Scale on-premise system
infrastructure to the cloud
Reading and understanding code
Attention to detail

Debugging algorithms
Unit testing
User Acceptance Testing - UAT
Security maturity assessment
IAM policies and permissions

Securing the software development
lifecycle (SDLC)
Shaping the Problem
Data and privacy



Johnny Rosenby
Nordic Recruitment
Director



Tom Brunskill
CEO, Co-Founder of
Forage



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future professionals

Pranay Mahendrakar

Data Analytics Consulting Virtual Internship

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Data Quality Assessment
Data Insights
Data Insights and Presentation

Deborah Yates
National Managing
Partner People
Performance and
Culture

Tom Brunskill
CEO, Co-Founder of
Forage

JPMORGAN CHASE & Co.



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Agile Virtual Experience Program

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Intro to Agile
Scrum at JPMC
User Stories
Backlog Refinement
Daily Standups

Sprint Reviews and Retrospectives

A handwritten signature in grey ink, appearing to read 'Tom Brunskill', positioned above the name and title of the signatory.

Tom Brunskill
CEO, Co-Founder of
Forage



Standard Bank



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Data Science Virtual Experience Programme

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

SQL for Data Scientists
Data Science With Python
Preparing to Present
Putting It All Together

Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Technical Interview Prep Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

The Company and the Job
The Whiteboard Challenge
The Coding Test
The Case Study
The Hiring Criteria and Reflection

**Tarika Barrett,
Ph.D.**
CEO of Girls Who Code

Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Software Engineering Virtual Experience Programme

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Token-Based Authentication
Encoding Faces Within Images
Data Management and Querying
Creating Personalised Views



Tom Brunskill
CEO, Co-Founder of
Forage



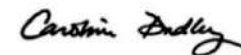
Pranay Mahendrakar

Coding: Development & Advanced Engineering Virtual Experience

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Object Oriented Programming
Code Refactoring
Continuous Integration
Agile Planning



Caroline Dudley
Managing Director
North America
Recruiting



Tom Brunskill
CEO, Co-Founder of
Forage

JPMORGAN CHASE & Co.



Forage

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future professionals

Pranay Mahendrakar

Cybersecurity Virtual Experience Program

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Analyze a Large Dataset of Fraud in Financial Payment Services
Learn About Application Security Fundamentals and Put it to Use on Your Own Website
Spam or Ham? Build an Email Classifier

A handwritten signature in black ink, appearing to read 'Tom Brunskill', written over a light gray grid background.

Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Intro to Software Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Project Initialization
Design the Sextant Frontend
Display the User's Public IP
Stream Data from a Networked Service
Present Your Work

Tom Brunskill
CEO, Co-Founder of
Forage



Inspiring and empowering
future professionals

Pranay Mahendrakar

Digital Design & UX Virtual Experience Programme

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Personas for User Research
Wireframing
High-Fidelity Designs
Prototyping

A handwritten signature in grey ink, appearing to read 'Tom Brunskill'.

Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Enterprise Technology Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Create a high level (L1) Business Process Map
Develop a Fishbone Diagram and Summarize a Problem Statement
Identify Potential Solution

Nicole Leber
Global Program
Manager, Digital
Technology Leadership
Program

Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Mobile Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Development Best Practices
Swift - Add a Ride History List
Swift - Add a Map With User Location

Tom Brunskill
CEO, Co-Founder of
Forage



Inspiring and empowering
future professionals

Pranay Mahendrakar

Software Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

- Set Up Your Local Development Environment
- Data Processing
- Create a Dash Application
- Improve Your Dash Application
- Test Your Dash Application

A handwritten signature in grey ink, appearing to read 'Tom Brunskill'.

Tom Brunskill
CEO, Co-Founder of
Forage



**NEW YORK JOBS
CEO COUNCIL**



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Cybersecurity Virtual Experience Program

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Design a phishing email simulation
Interpret phishing simulation results

Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Shields Up: Cybersecurity Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Responding to a zero-day vulnerability
(Technical) Bypassing ransomware



Tom Brunskill
CEO, Co-Founder of
Forage



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Cybersecurity Virtual Experience Program

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Responding to a malware attack
Analysing the attack
(Technical) Mitigate the malware attack
Incident Postmortem

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Software Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Write a Feature Proposal
Create a Game Object Class
Improve Inventory System
Character Creators

A handwritten signature in black ink, appearing to read 'Tom Brunskill', written over a light gray grid background.

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Advanced Software Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Advanced Data Structures
Software Architecture
Relational Database Design
Data Munging

Suresh Kumar
Global Chief
Technology Officer and
Chief Development
Officer

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

Front-End Software Engineering Virtual Experience Programme

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Create a Backpack React Web App

A handwritten signature in grey ink, appearing to read 'Tom Brunskill'.

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

UX Design Virtual Experience Program

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Product Design
Design Rationale



Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Software Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Project Planning for a Front-End Prototype



Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Software Development Virtual Experience Programme

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Test-Driven Development in Swift
Adding a Feature for Setting a Monthly Budget
Mock Transaction Data in Swift
Add a Feature for Showing Transactions



Tom Brunskill
CEO, Co-Founder of
Forage

Pranay Mahendrakar

Technology in Banking Virtual Learning Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Spot the bad User Experience (UX)
Design wireframes for an app
An Introduction to Software Engineering & Mythbusting
Software Engineering - Website Coding
Social Engineering

Forensics
Reverse Engineering
Using Data to Build a Successful Business
Ethics in Data Analytics
Social Robotics

Artificial Intelligence ChatBot



Fiona Herron
Graduate Program
Manager, Technology
(Enterprise Services)



Tom Brunskill
CEO, Co-Founder of
Forage



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future professionals

Pranay Mahendrakar

Solutions Architecture Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Designing a simple, scalable, hosting architecture

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

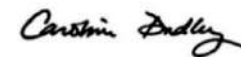
Project Management Virtual Experience

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Understand the approaches to project management
Prepare a proposal for the optimal project management approach
Identify the key attributes of a good project manager or project lead
Importance of communication in project management



Caroline Dudley
Managing Director
North America
Recruiting



Tom Brunskill
CEO, Co-Founder of
Forage



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future professionals

Pranay Mahendrakar

FinTech Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Crack leaked password database

Matthew Chung
Global Chief
Information Security
Officer and Head of
Technology Risk

Tom Brunskill
CEO, Co-Founder of
Forage



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future professionals

Pranay Mahendrakar

Cybersecurity Consulting Virtual Case Experience

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Integrated Information Defense
Risk Assessment
IT System Security Baseline
Network Segmentation

**Natalie Vogel |
Elisabeth Ziller**
HC Marketing &
Recruitment Leaders

Tom Brunskill
CEO, Co-Founder of
Forage



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future professionals

Pranay Mahendrakar

Cyber Security Management Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Social Engineering Investigation
Digital Investigation

Cholena Orr
Graduate Program
Manager, ANZ

Tom Brunskill
CEO, Co-Founder of
Forage

BLACKBIRD



Forage

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future professionals

Pranay Mahendrakar

Software Engineering Virtual Experience Program

Certificate of Completion
October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Collaborate Using GitHub with Propeller
Build And Verify Your Code with Harrison.AI
Find Product/Market Fit with Forage

A handwritten signature in grey ink, appearing to read 'Tom Brunskill'.

Tom Brunskill
CEO, Co-Founder of
Forage



Pranay Mahendrakar

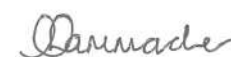
Data Analytics Virtual Experience Program

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Data preparation and customer analytics
Experimentation and uplift testing
Analytics and commercial application



Lauren Hammacher
Executive Manager,
Analytics Community
Quantium



Tom Brunskill
CEO, Co-Founder of
Forage

JPMORGAN CHASE & CO.



Forage

Inspiring and empowering
future professionals

Pranay Mahendrakar

Software Engineering Virtual Experience

Certificate of Completion

October 5th, 2022

Over the period of October 2022, Pranay Mahendrakar has completed practical tasks in:

Interface with a stock price data feed
Use JPMC frameworks and tools
Display data visually for traders



Pranay Mahendrakar

is here by awarded the certificate of achievement
for the successful completion of

Game development using PyGame

A handwritten signature in black ink, reading 'M. Arunprakash'.

M. Arunprakash

Founder and CEO,
GUVI Geek Networks.

Certificate issued on : October 25 2022

Verified certificate ID: 6meUZ346616tWLIV87

Verify certificate at: www.guvi.in/certificate?Id=6meUZ346616tWLIV87



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully completed the online course with on certificate for CATIA - Computer Aided Design and Drafting Quiz Certificate.

Karan Arora

Karan Arora



23 October 2022

Date

Certificate ID: #00108653

Certificate URL: <https://itronixsolutions.com/courses/certificate/a23bcc8e1e>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully completed the online course with on certificate for Adobe Photoshop Quiz.

Karan Arora
Karan Arora



26 October 2022
Date

Certificate ID: #00108822

Certificate URL: <https://itronixsolutions.com/courses/certificate/fbcc80e74b>



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Java Programming

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course

Pygame

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
AI and Big Data in IOT

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Computer Vision Projects

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Artificial Intelligence Projects

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Cyber Security For Leadership

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Network Security

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Android Application Development

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Front End Development - HTML

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Building Games using JavaScript

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Python for Andriod

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
UI/UX

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Advanced Cyber Security - Threats and Governance

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Cyber Forensics

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Python Fundamentals for Beginners

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Algorithms in C

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course

Catia

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
OOPs Concepts in C++

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course

Turbo C++

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Flask Python

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course

PHP

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Computer Vision Projects

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Artificial Intelligence Projects

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
OOPs in Java

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
My SQL Basics

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course

Data Structure & Algorithms in Java for Intermediate Level

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Angular7 for Advanced Level

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Java Algorithms

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Programming Basics

Provided by

Great Learning Academy

(On October 2022)



CERTIFICATE OF COMPLETION

Presented to

Pranay Mahendrakar

For successfully completing a free online course
Data Structures in C

Provided by

Great Learning Academy

(On October 2022)



Certificate

OF PARTICIPATION

Congratulations to

Pranaymahendrakar

for successfully completing the Quiz on **Social Networking Security**
conducted as part of National Cyber Security Awareness Month
(NCSAM): October 2022 by CERT-In & Information Security Education
& Awareness (ISEA), a programme by Ministry of Electronics
& Information Technology (MeitY), Government of India.

Dr. Sanjay Bahl
Director General, CERT-In

Shri. Ch A S Murty
Coordinator, ISEA PMU



Certificate

OF PARTICIPATION

Congratulations to

Pranaymahendrakar

for successfully completing the Quiz on **Online Gaming Security** conducted as part of National Cyber Security Awareness Month (NCSAM): October 2022 by CERT-In & Information Security Education & Awareness (ISEA), a programme by Ministry of Electronics & Information Technology (MeitY), Government of India.

Dr. Sanjay Bahl
Director General, CERT-In

Shri. Ch A S Murty
Coordinator, ISEA PMU



Certificate

OF PARTICIPATION

Congratulations to

Pranaymahendrakar

for successfully completing the Quiz on **Cyber Offences**
conducted as part of National Cyber Security Awareness Month
(NCSAM): October 2022 by CERT-In & Information Security Education
& Awareness (ISEA), a programme by Ministry of Electronics
& Information Technology (MeitY), Government of India.

Dr. Sanjay Bahl
Director General, CERT-In

Shri. Ch A S Murty
Coordinator, ISEA PMU



Certificate

OF PARTICIPATION

Congratulations to

Pranaymahendrakar

for successfully completing the Quiz on **Mobile Security** conducted as part of National Cyber Security Awareness Month (NCSAM): October 2022 by CERT-In & Information Security Education & Awareness (ISEA), a programme by Ministry of Electronics & Information Technology (MeitY), Government of India.

Dr. Sanjay Bahl
Director General, CERT-In

Shri. Ch A S Murty
Coordinator, ISEA PMU



Certificate

OF PARTICIPATION

Congratulations to

Pranaymahendrakar

for successfully completing the Quiz on **Social Networking Security**
conducted as part of National Cyber Security Awareness Month
(NCSAM): October 2022 by CERT-In & Information Security Education
& Awareness (ISEA), a programme by Ministry of Electronics
& Information Technology (MeitY), Government of India.

Dr. Sanjay Bahl
Director General, CERT-In

Shri. Ch A S Murty
Coordinator, ISEA PMU



Certificate of Participation

MyGov and DSCI congratulate

Pranaymahendrakar

for successfully completing the

Cyber Security Awareness Quiz

We acknowledge your efforts. Keep participating!

Shri Akash Tripathi
CEO, MyGov

Shri Vinayak Godse
CEO, DSCI

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Digital Forensics Essentials (DFE)

Certificate number

Date

368326427149993238

11th Nov 2022

EC-Council



Jay Bavisi
President

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Ethical Hacking Essentials (EHE)

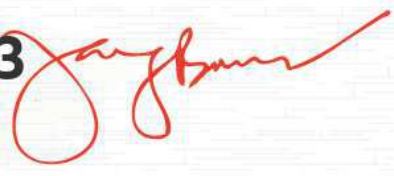
Certificate number

Date

368326427149993233

11th Nov 2022

EC-Council



Jay Bavisi
President

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Cybersecurity for Businesses - The Fundamental Edition

Certificate number

Date

368326427149993545

12th Nov 2022

EC-Council



Jay Bavisi
President

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Network Defense Essentials (NDE)

Certificate number

Date

368326427149993543

12th Nov 2022



Jay Bavisi
President

EC-Council

TUTORIALS POINT

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

Pranay Mahendrakar

For successfully completing the course

**PHP Course Basics
(Duration : 0:54 Hours)**

19-Nov-2022

DATE



Ubaid Ur Rehman

TRAINER(S)

tutorialspoint
SIMPLY EASY LEARNING

TUTORIALS POINT

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

Pranay Mahendrakar

For successfully completing the course

SQL with PHP
(Duration : 0:36 Hours)

19-Nov-2022

DATE



Ubaid Ur Rehman

TRAINER(S)

tutorialspoint
SIMPLY EASY LEARNING



TUTORIALS POINT

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

Pranay Mahendrakar

For successfully completing the course
Python Programming from scratch with
practicals
(Duration : 10:35 Hours)

20-Nov-2022

DATE



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(Duration : 0:22 Hours)

19-Nov-2022

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SOLID Principles with OOPs + VueJS
(Hindi)
(Duration : 0:52 Hours)

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**SAFE Me App Basic Certification | Learn
How to Use The Most Innovative Cyber
Awareness App in 2022**
(Duration : 0:09 Hours)

19-Nov-2022

DATE



Rahul Tyagi

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Cyber Security- Importance, Tips, Myths
& Cyber threats
(Duration : 0:56 Hours)

19-Nov-2022

DATE



Prabh Kirpa Classes

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TUTORIALS POINT

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Pranay Mahendrakar

For successfully completing the course
Network Socket programming in C
Practical Way
(Duration : 1:47 Hours)

19-Nov-2022

DATE



Musab Zayadneh

TRAINER(S)

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||||| COURSE COMPLETION CERTIFICATE |||||

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pranay mahendrakar

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Fundamentals of Information Security

on Tuesday, November 8th 2022



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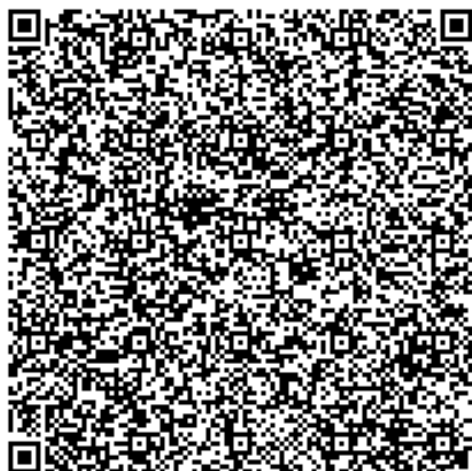
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Introduction to Data Science

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Senior Vice President and Head
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Infosys Limited



CERTIFICATE OF COMPLETION

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This is to certify that Mr. / Ms. Pranay Mahendrakar successfully completed the course with on certificate for Python for Data Science.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006296

Certificate URL: <https://machinelearning.org.in/courses/certificate/cbb1e07440>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for Python Foundation with
Data Structures & Algorithms.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006297

Certificate URL: <https://machinelearning.org.in/courses/certificate/f9312209d7>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for Advanced Computer Vision
with OpenCV and Python.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006298

Certificate URL: <https://machinelearning.org.in/courses/certificate/a4b40b643a>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for Using MySQL Databases
With Python.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006299

Certificate URL: <https://machinelearning.org.in/courses/certificate/3630240ee2>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for Unsupervised Machine
Learning with Python .

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006300

Certificate URL: <https://machinelearning.org.in/courses/certificate/0b1e9053de>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for R Programming Language
with Data Structures & Algorithms.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006301

Certificate URL: <https://machinelearning.org.in/courses/certificate/9fe2c4ef80>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for Python for Data Analysis
using NumPy.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006302

Certificate URL: <https://machinelearning.org.in/courses/certificate/21da59ce38>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully completed the course with on certificate for Data Visualization with Python using Matplotlib.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006303

Certificate URL: <https://machinelearning.org.in/courses/certificate/100b4e1e87>



CERTIFICATE OF COMPLETION

.....

This is to certify that Mr. / Ms. Pranay Mahendrakar successfully
completed the course with on certificate for Advanced Python for Data
Analysis using Pandas.

Karan Arora

Karan Arora



12 December 2022

Date

Certificate ID: #00006304

Certificate URL: <https://machinelearning.org.in/courses/certificate/cf8ea53f59>



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

Pranay Mahendrakar

for successfully completing the course

Basics of Python

on Tuesday, February 28th 2023



Congratulations! You make us proud!



Issued on: Tuesday, February 28th 2023
This certificate can be verified by scanning the QR code at <https://verify.onwingspan.com>

Thirumala Arohi
Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited



||| COURSE COMPLETION CERTIFICATE |||

The certificate is awarded to

Pranay Mahendrakar

for successfully completing the course

IoT Platforms Overview

on Tuesday, February 28th 2023



Congratulations! You make us proud!



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Senior Vice President and Head
Education, Training and Assessment (ETA)
Infosys Limited

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Introduction to Dark Web, Anonymity, and Cryptocurrency

Certificate number

186845

Date

02nd Jan 2023

EC-Council



Jay Bavisi
President

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Introduction to Dark Web, Anonymity, and Cryptocurrency

Certificate number

186845

Date

02nd Jan 2023

EC-Council



Jay Bavisi
President

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Cisco LABS Crash Course

Certificate number

186874

Date

02nd Jan 2023

EC-Council



Jay Bavisi
President

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Pranay Mahendrakar

Has attended and successfully completed the course

Cybersecurity for Businesses - The Fundamental Edition

Certificate number

181748

Date

02nd Jan 2023

EC-Council



Jay Bavisi
President



Certificate of Completion

Pranay Mahendrakar

successfully completed

Job Roles in the Cloud

on

5/7/2024



Certificate of Completion

Pranay Mahendrakar

successfully completed

AWS Well-Architected Foundations

on

5/7/2024

EC-Council

CERTIFICATE OF ACHIEVEMENT

This certificate is proudly presented to

Pranay Mahendrakar

Has attended and successfully completed the course

Python for Absolute Beginners



Date **07th May 2024**

Certificate number **323350**

President
Jay Bavisi

A handwritten signature in black ink, appearing to read "Jay Bavisi".

Pranay M Mahendrakar has earned this award!

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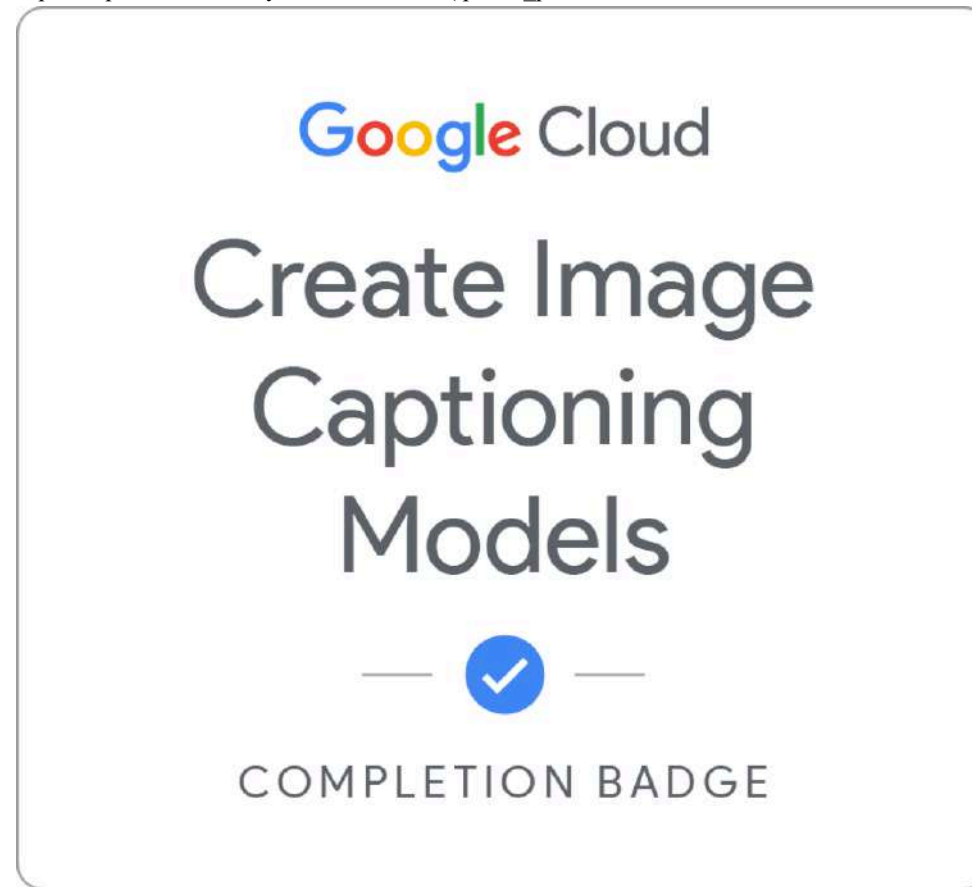


Encoder-Decoder Architecture

May 1, 2024

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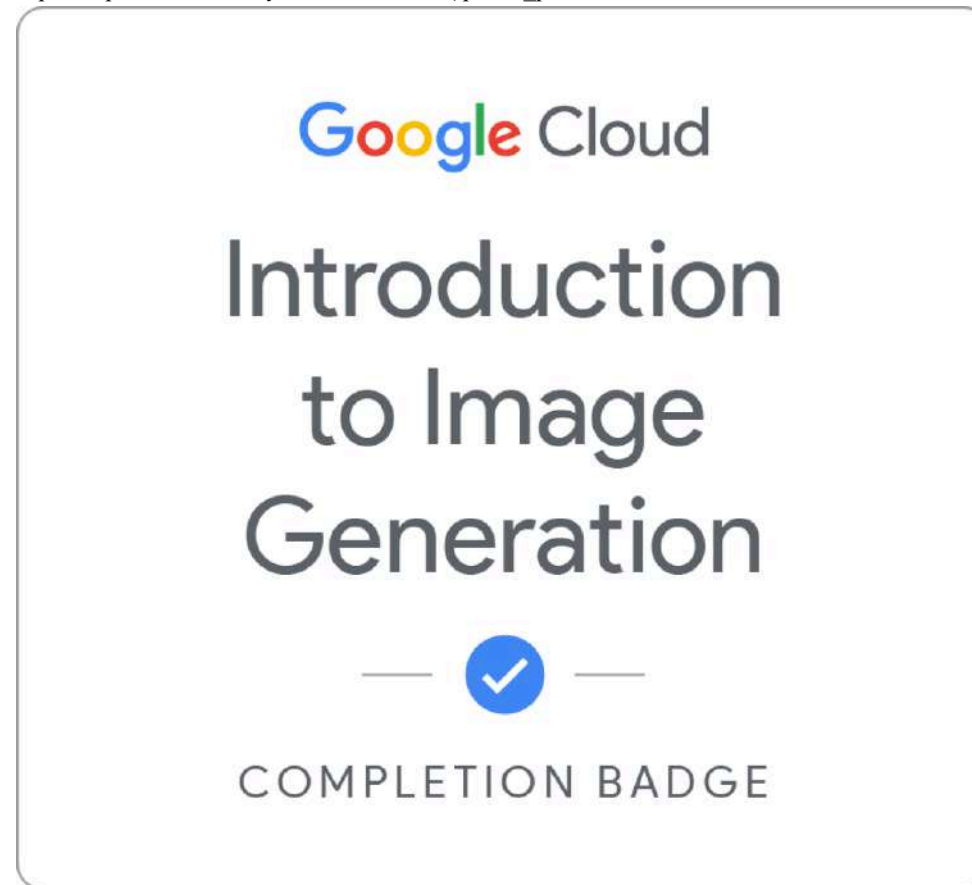


Create Image Captioning Models

May 1, 2024

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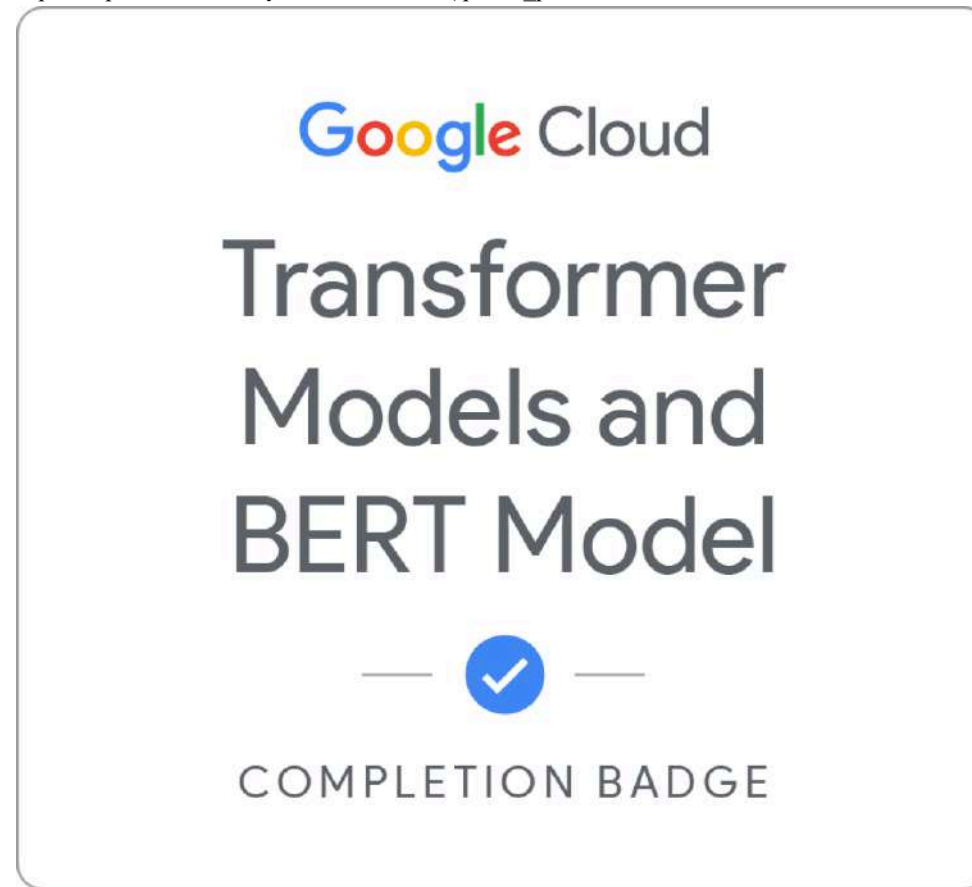


Introduction to Image Generation

May 1, 2024

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Transformer Models and BERT Model

May 1, 2024

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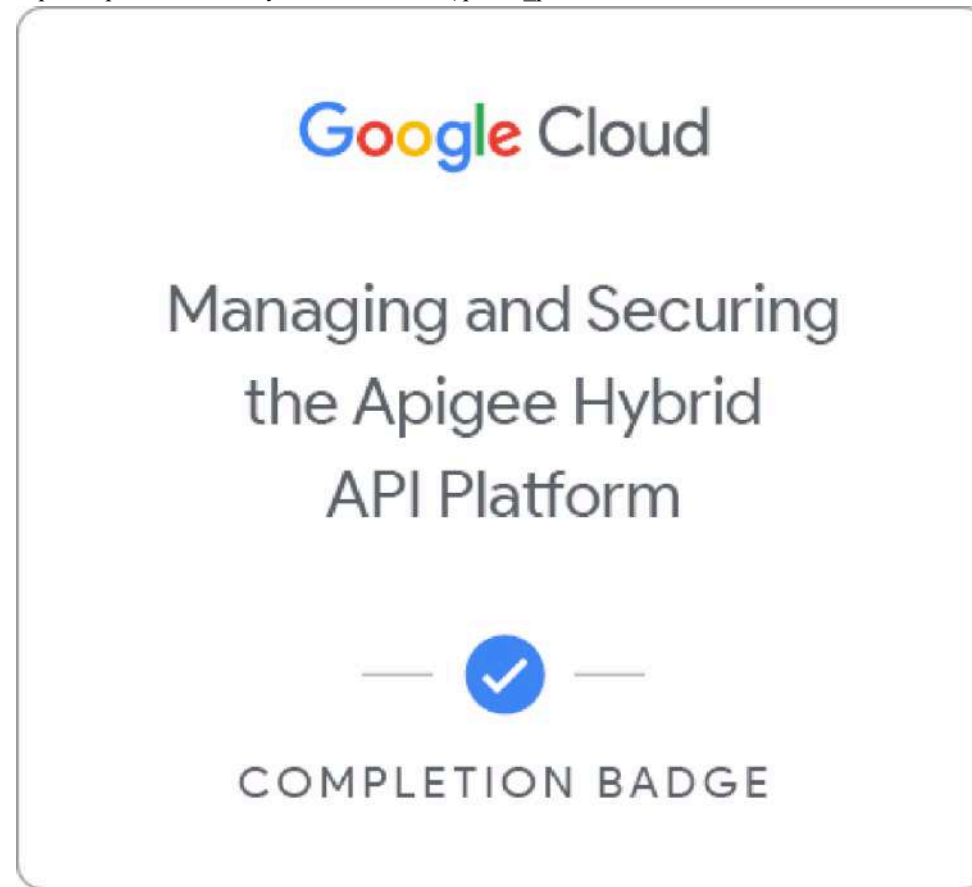


Attention Mechanism

May 1, 2024

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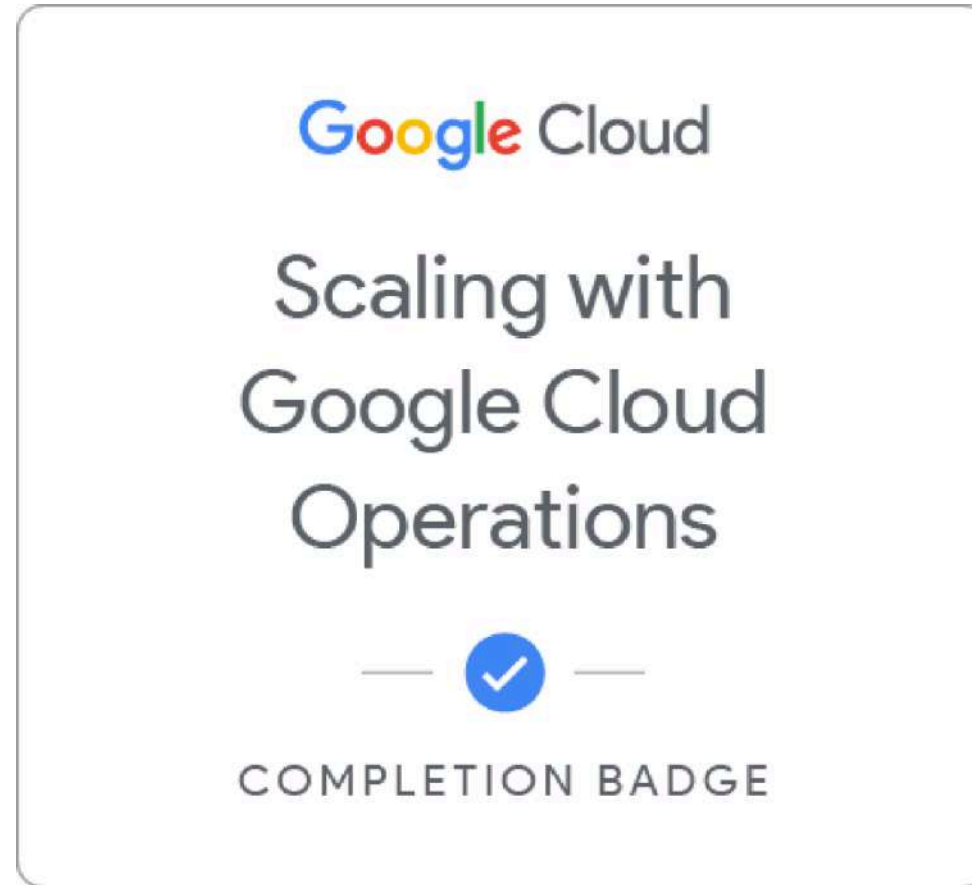


Managing and Securing the Apigee Hybrid API Platform

May 1, 2024

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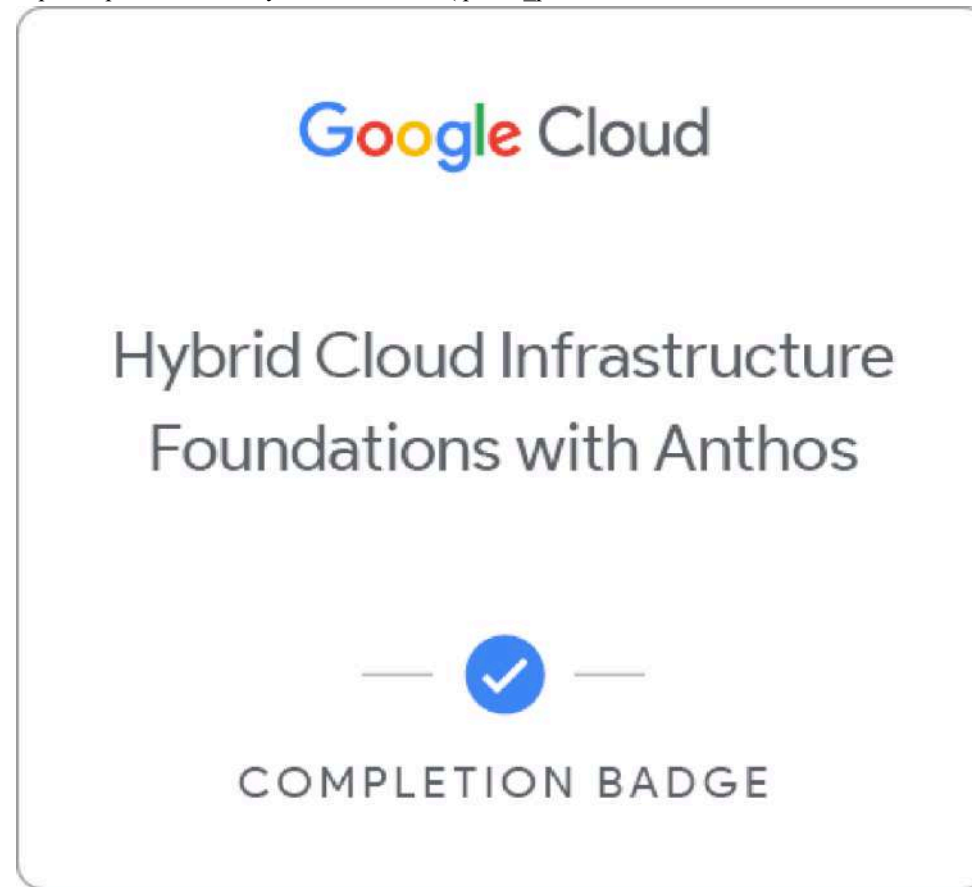


Scaling with Google Cloud Operations

May 1, 2024

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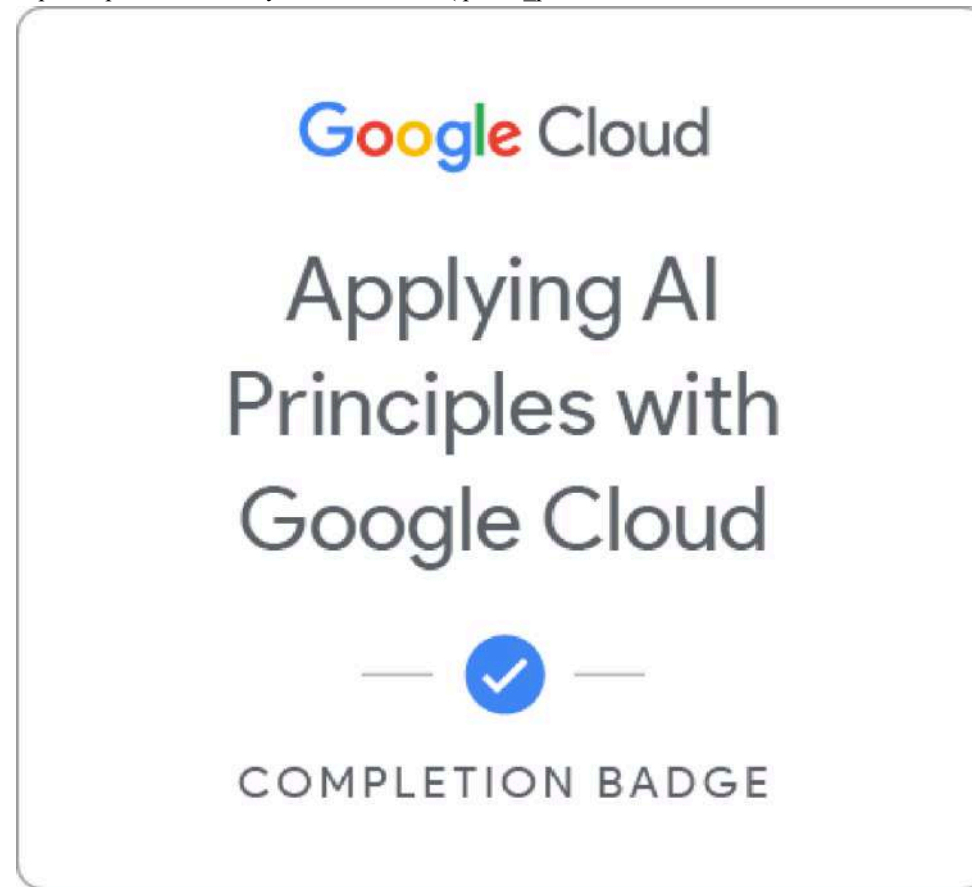


Hybrid Cloud Infrastructure Foundations with Anthos

May 1, 2024

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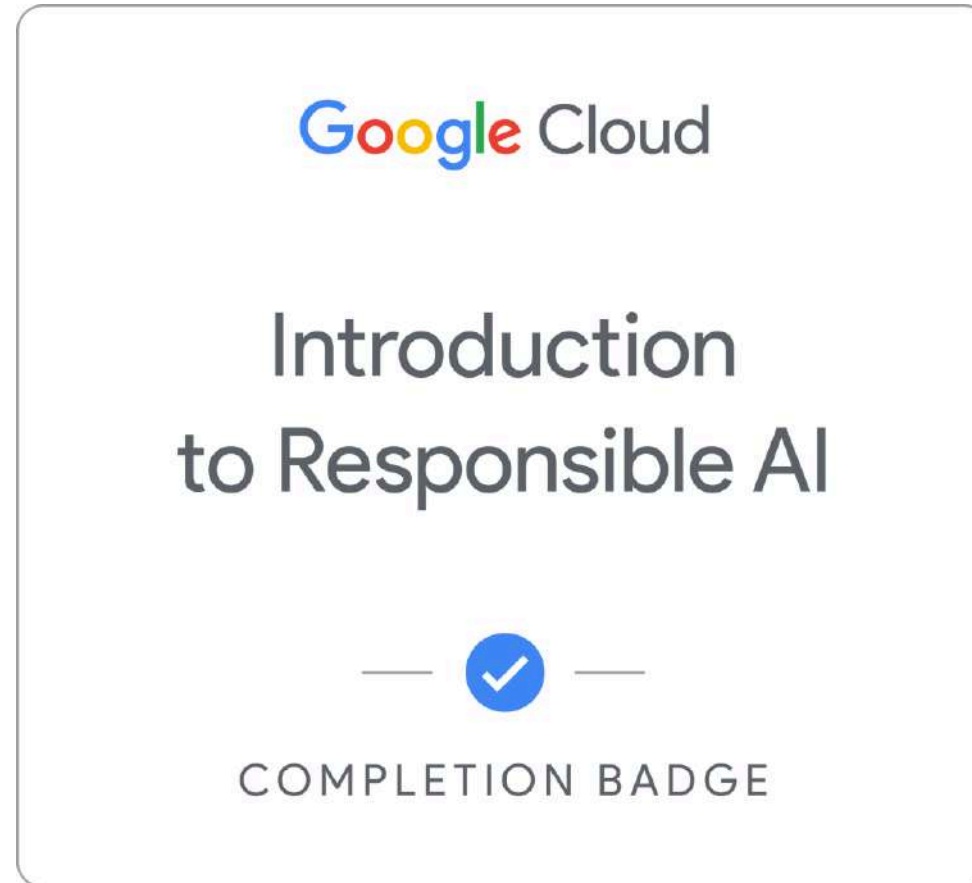


Responsible AI: Applying AI Principles with Google Cloud

May 1, 2024

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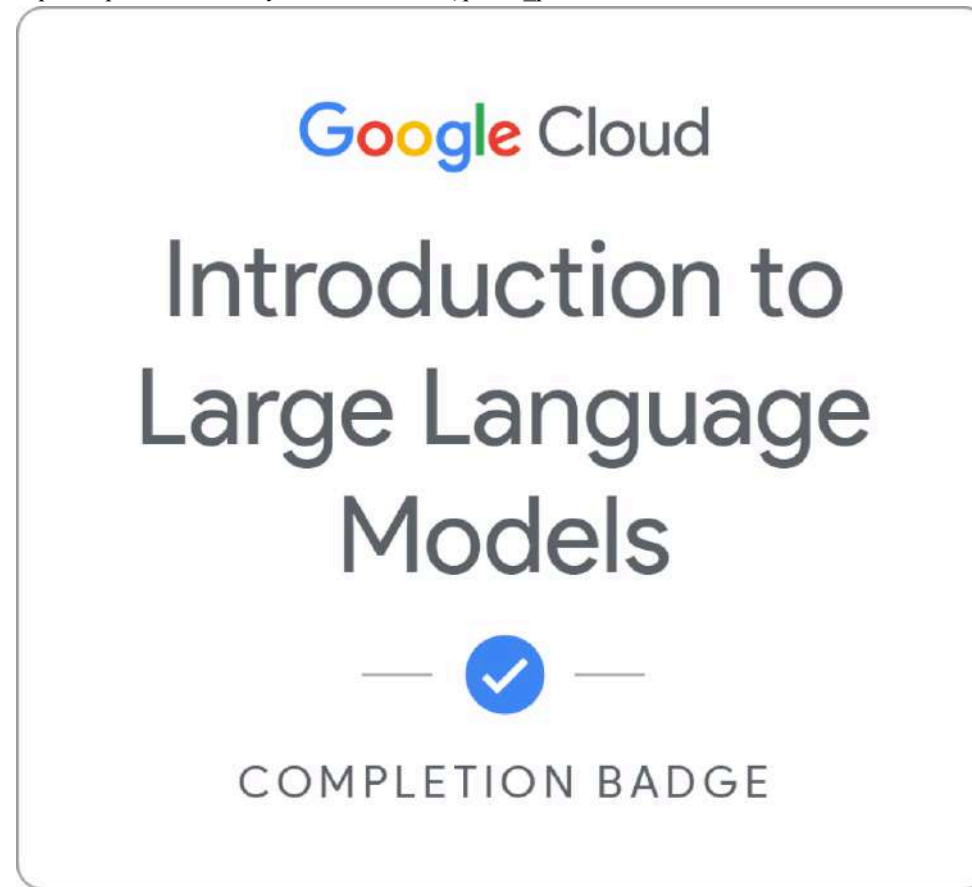


Introduction to Responsible AI

May 1, 2024

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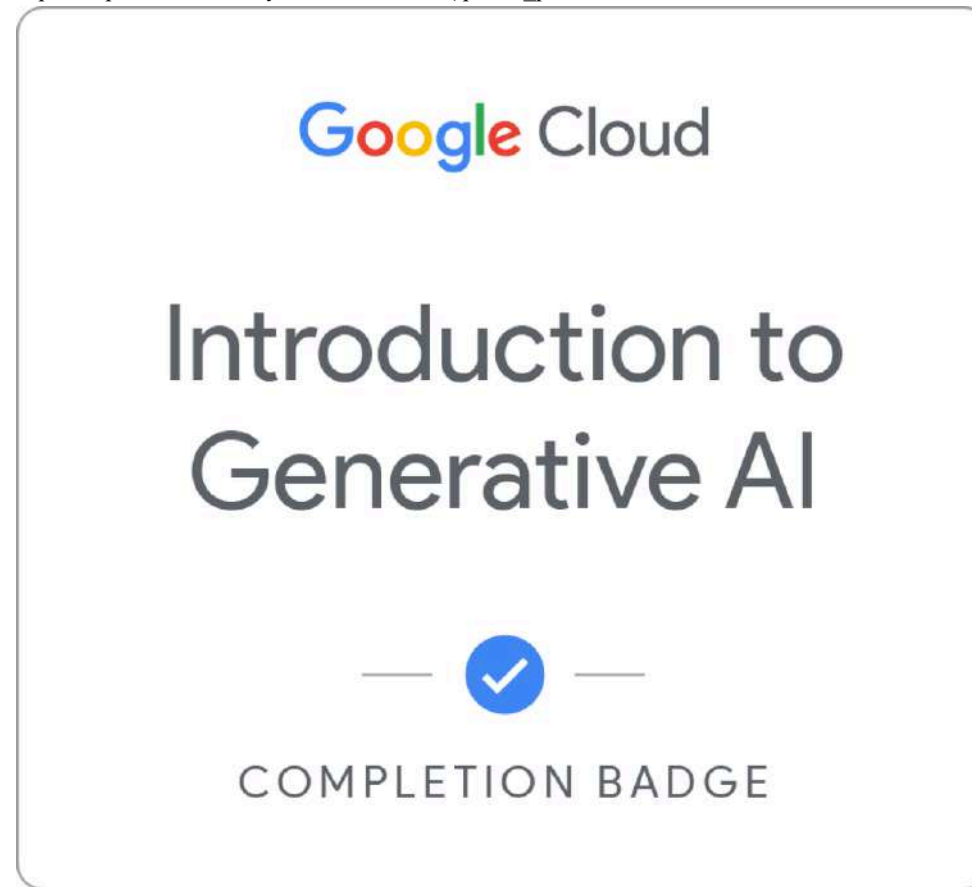


Introduction to Large Language Models

May 1, 2024

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Introduction to Generative AI

May 1, 2024

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 Workspace

Introduction to Gemini for Google Workspace



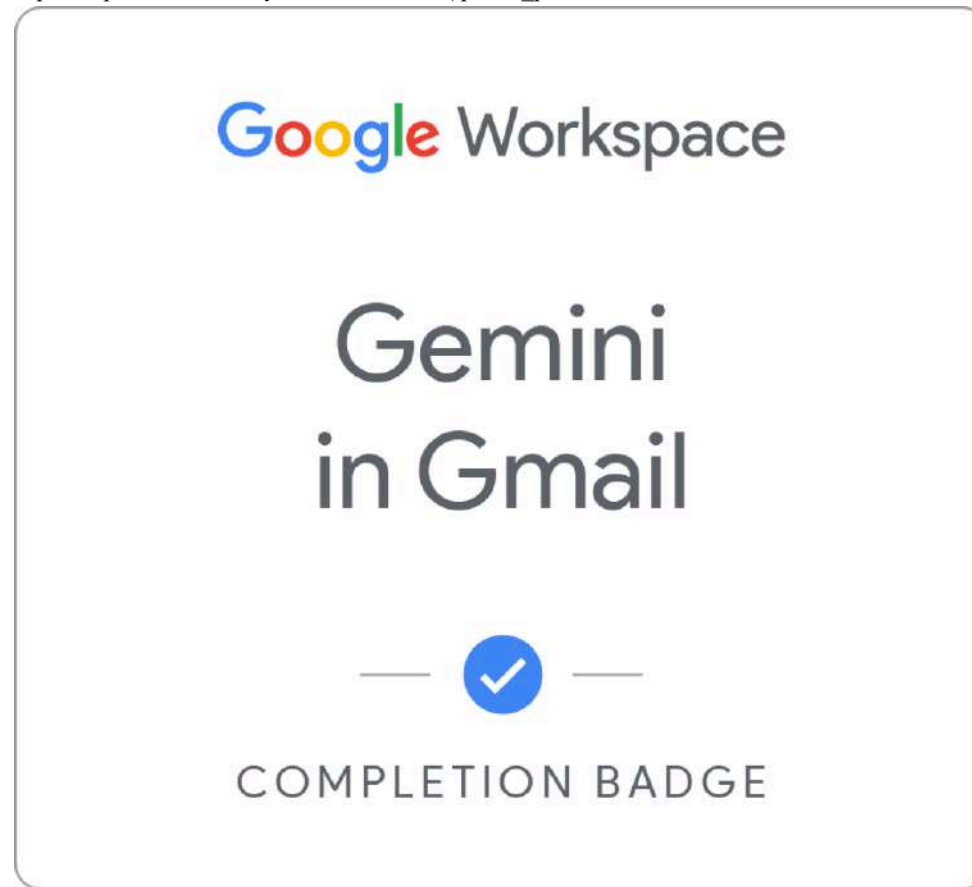
COMPLETION BADGE

Introduction to Gemini for Google Workspace

May 1, 2024

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Gemini in Gmail

May 1, 2024



This certifies that

Pranay M Mahendrakar

successfully completed the

Machine Learning with Python

Developer Certification on November 5, 2024

representing approximately 300 hours of work



A stylized, handwritten signature in black ink, which appears to read "Quincy Larson".

Quincy Larson

Executive Director, freeCodeCamp.org



Verify this certification at:

<https://freecodecamp.org/certification/fcc5074039b-eecf-450c-afdc-41044010a08e/machine-learning-with-python-v7>



This certifies that

Pranay M Mahendrakar

successfully completed the

Front End Development Libraries

Developer Certification on November 5, 2024

representing approximately 300 hours of work



A handwritten signature in black ink, which appears to read "Quincy Larson", positioned above a horizontal line.

Quincy Larson

Executive Director, freeCodeCamp.org



Verify this certification at:

<https://freecodecamp.org/certification/fcc5074039b-eeef-450c-afdc-41044010a08e/front-end-development-libraries>



This certifies that

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successfully completed the

Data Visualization

Developer Certification on November 5, 2024

representing approximately 300 hours of work



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Quincy Larson

Executive Director, freeCodeCamp.org



Verify this certification at:

<https://freecodecamp.org/certification/fcc5074039b-eeef-450c-afdc-41044010a08e/data-visualization>

Statement of participation

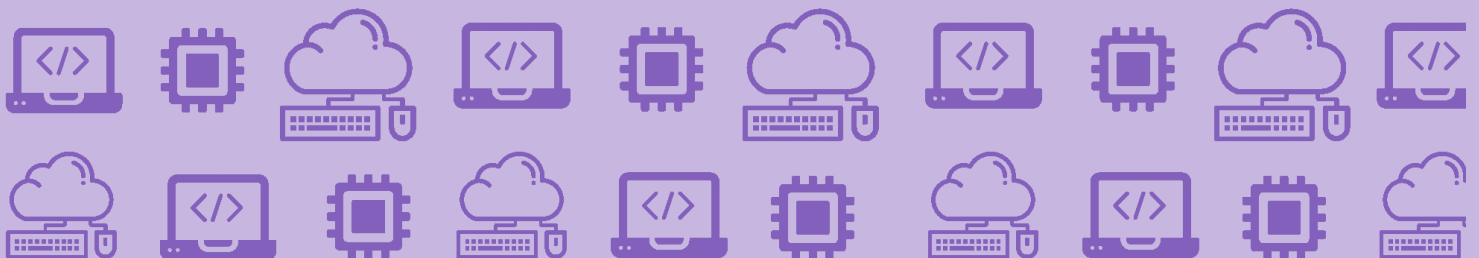
Pranay M Mahendrakar

has completed the free course including any mandatory tests for:

Digital communications

This 20-hour free course explained the technology that enables data to be transmitted along optical fibre at such high speed over such long distances.

Issue date: 5 November 2024



www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/digital-computing/digital-communications/content-section-0>

COURSE CODE: T305_1

Digital communications

<https://www.open.edu/openlearn/digital-computing/digital-communications/content-section-0>

Course summary

Optical-fibre communications became commercially viable in the 1970s and innovation continues today. This free course, Digital communications, will illustrate how very high data rates can be transmitted over long distances through optical fibres. You will learn how these fibres are linked, examine the technology used and assess the future direction of this continually developing area of communication.

Learning outcomes

By completing this course, the learner should be able to:

- convert between wavelengths and frequencies
- describe the main differences between lasers and LEDs as used as light sources for optical-fibre communications systems
- describe the difference between direct and external modulation of a laser
- describe the difference in structure and performance of step-index multimode, graded-index multimode and single-mode optical fibres
- draw up a power budget for an optical-fibre communication link and use it to estimate the maximum link distance.

Completed study

The learner has completed the following:

Section 1

Optical fibre communication introduction

Section 2

Elements of an optical-fibre link

Section 3

Optical components

Section 4

Developments and future directions in optical-fibre communications

Statement of participation

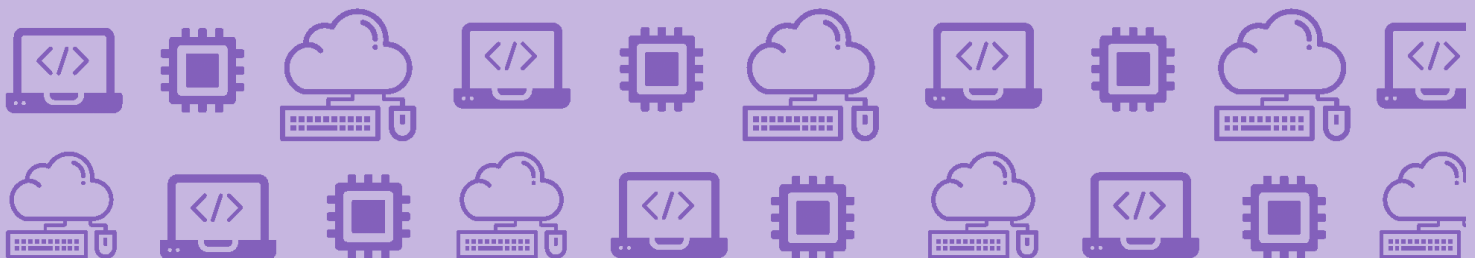
Pranay M Mahendrakar

has completed the free course including any mandatory tests for:

Software development for enterprise systems

This 8-hour free course taught about current development practices for enterprise systems and developed relevant skills to apply them.

Issue date: 5 November 2024



www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:
<https://www.open.edu/openlearn/digital-computing/software-development-enterprise-systems/content-section-0>

COURSE CODE: **M885_1**

Software development for enterprise systems

<https://www.open.edu/openlearn/digital-computing/software-development-enterprise-systems/content-section-0>

Course summary

Enterprise systems are software applications that automate and integrate all many of the key business processes of an organisation. With some understanding of software development, in this free course, Software development for enterprise systems, you will learn about current development practices for this type of system and develop relevant skills to apply them to real-world problems. You will develop core skills in object-oriented analysis and design, allowing you to develop software that is fit for purpose, reusable and amenable to change.

Learning outcomes

By completing this course, the learner should be able to:

- describe a software development process used in an object-oriented approach to software
- describe the activities that take place during software development
- understand the different modelling perspectives used in the course, and what is important in each of them
- understand the terminology of objects
- understand the terms framework, component and pattern, and discuss their relevance to the development of more flexible software.

Completed study

The learner has completed the following:

Section 1

Introducing the terminology

Section 2

Software development processes

Section 3

The Unified Process

Section 4

Emergent approaches to software development

Section 5

Modelling and the UML

Section 6

The object-oriented approach

Section 7

Reuse

Section 8

CASE tools



संस्कृति मंत्रालय
MINISTRY OF
CULTURE



भारत सरकार
GOVERNMENT
OF INDIA

CERTIFICATE

OF APPRECIATION

PROUDLY PRESENTED TO

Pranay M Mahendrakar

For successfully reading The Preamble and contributing to
Hamara Samvidhan, Hamara Swabhiman

An initiative by the Ministry of Culture

AWS Training & Certification
Completion Certificate

AWS Well-Architected Foundations

Completed: May 07, 2024

Awarded to
Pranay Mahendrakar



Michelle Vaz

Director, AWS Training & Certification



AWS Training & Certification
Completion Certificate

AWS Technical Essentials

Completed: May 07, 2024

Awarded to
Pranay Mahendrakar



Michelle Vaz
Director, AWS Training & Certification



AWS Training & Certification
Completion Certificate

AWS Foundations: Getting Started with the AWS Cloud Essentials

Completed: July 09, 2025

Awarded to
Pranay Mahendrakar



Michelle Vaz
Director, AWS Training & Certification



AWS Training & Certification
Completion Certificate

Job Roles in the Cloud

Completed: May 07, 2024

Awarded to
Pranay Mahendrakar



Michelle Vaz
Director, AWS Training & Certification



AWS Training & Certification
Completion Certificate

Cloud Essentials Knowledge Badge Assessment

Completed: July 09, 2025

Awarded to
Pranay Mahendrakar



Michelle Vaz
Director, AWS Training & Certification





भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

COR202516521489

समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि **सोनीटेक** कार्यरत **श्री प्रणय म महेंद्रकर**, ने **रिमोट सेंसिंग और डिजिटल इमेज विश्लेषण**। विषय पर इस संस्थान द्वारा दिनांक 2025-08-25 से 2025-09-19 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **MR. PRANAY M MAHENDRAKAR**, working with **Sonytech**, has coordinated the online training course on **Remote Sensing and Digital Image Analysis**. conducted by this institute during August 25, 2025 to September 19, 2025

दिनांक/ Date: 22-10-2025
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS



ACADEMY

CERTIFICATE OF COMPLETION

This certificate is awarded to
Pranay Mahendrakar

for successfully completing the course:
AI for All: From Basics to GenAI Practice

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025

Date issued



ACADEMY

CERTIFICATE OF COMPLETION

This certificate is awarded to
Pranay Mahendrakar

for successfully completing the course:
Base Command Manager Administration

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025

Date issued



ACADEMY

CERTIFICATE OF COMPLETION

This certificate is awarded to
Pranay Mahendrakar
for successfully completing the course:
NVIDIA License System - NLS

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025

Date issued



ACADEMY

CERTIFICATE OF COMPLETION

This certificate is awarded to
Pranay Mahendrakar

for successfully completing the course:
The Fundamentals of RDMA Programming

A handwritten signature in black ink, reading "Raj Rajagopalan".

Raj Rajagopalan
Vice President, NVIDIA

July 2025

Date issued



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



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This is to certify that **Sonytech**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on **Remote Sensing and Digital Image Analysis..** This online programme was conducted during August 25, 2025 to September 19, 2025

दिनांक/ Date: 22-10-2025
देहरादून/ Dehradun

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