UNIVERSITY OF MICHIGAN

5 Courses

Introduction to Data Science in Python

Applied Plotting, Charting & Data Representation in Python

Applied Machine Learning in Python

Applied Text Mining in Python

Applied Social Network Analysis in Python

Aug 16, 2021

Palash Prashant Thakur

has successfully completed the online, non-credit Specialization

Applied Data Science with Python

The 5 courses in this University of Michigan specialization introduce learners to data science through the python programming language. This skills-based specialization is intended for learners who have a basic python or programming background, and want to apply statistical, machine learning, information visualization, and text analysis techniques to gain new insight into their data. In the final course, students will work on real-world data analysis projects, building a portfolio which showcases their work while at the same time helping real clients gain a better understanding of their data.

Christopher Brooks
Research Assistant Professor
School of Information

Kevyn Collins-Thompson
Associate Professor
School of Information

Daniel Romero, Ph.D.
Assistant Professor
School of Information
University of Michigan

V. G. Vinod Vydiswaran
Assistant Professor
School of Information

Verify this certificate at:
coursera.org/verify/specialization/X7ADHLWNDYKF

4 Courses

Custom Models, Layers, and Loss Functions with TensorFlow

Custom and Distributed Training with TensorFlow

Advanced Computer Vision with TensorFlow

Generative Deep Learning with TensorFlow

13 Apr, 2021

Palash Prashant Thakur

has successfully completed the online, non-credit Specialization

TensorFlow: Advanced Techniques

Congratulations! You have completed all four courses of the TensorFlow: Advanced Techniques Specialization! With this Specialization, you've expanded your knowledge of the Functional API and are ready to build exotic non-sequential model types. You learned how to optimize training in different environments with multiple processors and chip types and have also been introduced to advanced computer vision scenarios such as object detection, image segmentation, and interpreting convolutions. You've explored generative deep learning including the ways AIs can create new content from Style Transfer to Auto Encoding, VAEs, and GANs. You are now equipped to build complex, custom models using TensorFlow.

Laurence Moroney
Lead AI Advocate
Google

Verify this certificate at:
coursera.org/verify/specialization/JVMRM3R7U2GA

4 Courses

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

Convolutional Neural Networks in TensorFlow

Natural Language Processing in TensorFlow

Sequences, Time Series and Prediction

27 Mar, 2020

Palash Prashant Thakur

has successfully completed the online, non-credit Professional Certificate

DeepLearning.AI TensorFlow Developer

Congratulations! You have completed all 4 courses of the DeepLearning.AI TensorFlow Developer Professional Certificate program. As part of this Professional Certificate program, you have learned: how to build and train neural networks using TensorFlow, how to improve network performance using convolutions as you train it to identify real-world images, how to teach machines to understand, analyze, and respond to human speech with natural language processing systems, and more! These, and other TensorFlow concepts, are going to be at the forefront of the coming transformation to an AI-powered future.

Laurence Moroney
Lead AI Advocate
Google

Andrew Ng
Founder
DeepLearning.AI

Verify this certificate at:
coursera.org/verify/professional-cert/KTFCFXSRMAUV

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL20CS88S72020255

To
PALASH PRASHANT THAKUR
MODI NUMBER 2 KAMPTEE
RAM MANDIR ROAD,KAMPTEE
KAMPTEE
MAHARASHTRA - 441001
PH. NO :8788061875

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

PALASH PRASHANT THAKUR

for successfully completing the course

Deep Learning for Computer Vision

with a consolidated score of **57** %

Online Assignments	19.49/25	Proctored Exam	37.5/75

Total number of candidates certified in this course: **132**

Prof. B Umashankar
Chairperson, Centre for Continued Education (CCE)
IIT Hyderabad

Sep-Dec 2020
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, https://nptel.ac.in/noc/

Roll No: NPTEL21CS09S12030197

To
PALASH THAKUR
MODI NUMBER 2 KAMPTEE
RAM MANDIR ROAD,KAMPTEE
KAMPTEE
MAHARASHTRA - 441001
PH. NO :8788061875

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

PALASH THAKUR

for successfully completing the course

Embedded System Design with ARM

with a consolidated score of **77** %

Online Assignments	21.17/25	Proctored Exam	55.5/75

Total number of candidates certified in this course: **183**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jan-Mar 2021
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

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VERIFIED
CERTIFICATE *of* ACHIEVEMENT

MITx

John Tsitsiklis
Professor, Department of Electrical Engineering and Computer Science
Massachusetts Institute of Technology

Krishna Rajagopal
Dean for Digital Learning
Massachusetts Institute of Technology

This is to certify that

Palash Prashant Thakur

successfully completed and received a passing grade in

6.431x: Probability - The Science of Uncertainty and Data

a course of study offered by MITx, an online learning initiative of the Massachusetts Institute of Technology.

edX

VERIFIED CERTIFICATE
Issued December 25, 2020

VALID CERTIFICATE ID
6a2c99104fe8443ebacb07d298be3ff1