



5 Courses

Mathematical Thinking in Computer Science

Combinatorics and Probability

Introduction to Graph Theory

Number Theory and Cryptography

Delivery Problem



09/12/2019

Venkata Siva Satya Naveen Kanuri

has successfully completed the online, non-credit Specialization

Introduction to Discrete Mathematics for Computer Science

Discrete Math is needed to see mathematical structures in the object you work with, and understand their properties. This ability is important for software engineers, data scientists, security and financial analysts (it is not a coincidence that math puzzles are often used for interviews). We cover the basic notions and results (combinatorics, graphs, probability, number theory) that are universally needed.

A handwritten signature in blue ink that reads "Vladimir Podolskii".

Vladimir Podolskii
Associate Professor
Computer Science

A handwritten signature in blue ink that reads "Michael Levin".

Michael Levin
Lecturer
Computer Science

A handwritten signature in blue ink that reads "Alexander S. Kulikov".

Alexander S. Kulikov
Visiting Professor
Department of
Computer Science and
Engineering

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/P8PG5GY969BZ



6 Courses

Algorithmic Toolbox
Data Structures
Algorithms on Graphs
Algorithms on Strings
Advanced Algorithms and Complexity
Genome Assembly Programming Challenge



10/25/2019

Venkata Siva Satya Naveen Kanuri

has successfully completed the online, non-credit Specialization

Data Structures and Algorithms

In this Specialization, learners developed and honed essential skills in developing fast and reliable programs. Learners studied theoretical aspects of basic algorithms as well as solved many programming assignments where the goal is to implement a program solving a given computational problem correctly and quickly. Learners completed a Capstone Project at the end of the Specialization to apply their new knowledge and skills.

A cluster of handwritten signatures in black ink, including "Paul", "Oren", "Neil", "Rhodes", "Alexander", "Kulikov", and "Daniel".

Daniel Kane, Ph.D.,
Alexander S. Kulikov,
Ph.D., Neil Rhodes, Pavel
Pevzner, Ph.D., University
of California, San Diego,
Michael Levin, Higher
School of Economics

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Verify this certificate at:
coursera.org/verify/specialization/VLNWMJ5DPTLZ



5 Courses

Neural Networks and Deep Learning

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

Structuring Machine Learning Projects

Convolutional Neural Networks

Sequence Models



11/13/2019

Venkata Siva Satya Naveen Kanuri

has successfully completed the online, non-credit Specialization

Deep Learning

The Deep Learning Specialization is designed to prepare learners to participate in the development of cutting-edge AI technology, and to understand the capability, the challenges, and the consequences of the rise of deep learning. Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications (Computer Vision, Natural Language Processing, Speech Recognition, etc.).

A handwritten blue ink signature of the name "Andrew Ng".

Adjunct Professor
Andrew Ng
Computer Science

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/T8LRJCFKCEY



Saylor Academy awards

Venkata Siva Satya Naveen Kanuri

this certificate of achievement for

CS401: Operating Systems



September 16, 2019

Issue Date

13748114

Certificate ID

 Roll No:NPTEL18CS51S11260049										
To NAVEEN KANURI FLAT NO 201, SAI RAM LEELA NIVAS APARTMENT, MRD BALRAM ROAD, WESTERN STREET ELURU WEST GODAVARI ANDHRA PRADESH 534001 PH. NO :9490000385										
 No. of credits recommended by NPTEL:3										
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Score</th> <th style="text-align: center;">Type of Certificate</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">>=90</td> <td style="text-align: center;">Elite + Gold Medal</td> </tr> <tr> <td style="text-align: center;">60-89</td> <td style="text-align: center;">Elite</td> </tr> <tr> <td style="text-align: center;">40-59</td> <td style="text-align: center;">Successfully Completed the course</td> </tr> <tr> <td style="text-align: center;"><40</td> <td style="text-align: center;">No Certificate</td> </tr> </tbody> </table>	Score	Type of Certificate	>=90	Elite + Gold Medal	60-89	Elite	40-59	Successfully Completed the course	<40	No Certificate
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40-59	Successfully Completed the course									
<40	No Certificate									
 Elite NPTEL Online Certification <small>(Funded by the Ministry of HRD, Govt. of India)</small>										
 This certificate is awarded to NAVEEN KANURI for successfully completing the course Artificial Intelligence: Search Methods for Problem Solving with a consolidated score of 68 %										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Online Assignments</td> <td style="width: 33%;">22.53/25</td> <td style="width: 33%;">Proctored Exam</td> <td style="width: 33%;">45.38/75</td> </tr> </table>	Online Assignments	22.53/25	Proctored Exam	45.38/75						
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 Prof. A. Ramesh <small>Chairman Center for Continuing Education, IITM</small>	Total number of candidates certified in this course: 290 <small>Jul-Oct 2018 (12 week course)</small>	 Prof. Andrew Thangaraj <small>NPTEL Coordinator IIT Madras</small>								
 Indian Institute of Technology Madras										
Roll No: NPTEL18CS51S11260049										
To validate and check scores: http://nptel.ac.in/noc										

 Roll No.:NPTEL18CS41S21250038										
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 Elite NPTEL Online Certification <small>(Funded by the Ministry of HRD, Govt. of India)</small>										
 <p>This certificate is awarded to NAVEEN KANURI for successfully completing the course Deep Learning with a consolidated score of 81 %</p>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Online Assignments</td> <td style="width: 33%;">24.38/25</td> <td style="width: 33%;">Proctored Exam</td> </tr> <tr> <td>57/75</td> <td></td> <td></td> </tr> </table>	Online Assignments	24.38/25	Proctored Exam	57/75						
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 Indian Institute of Technology Madras										
Roll No: NPTEL18CS41S21250038 To validate and check scores: http://nptel.ac.in/noc										



Roll No: NPTEL19CS18S51280030

To

NAVEEN KANURI
DNO 1-4-8, FLAT 201, SAI RAM LEELA NIVAS
APARTMENT, GANDHI MAIDHANAM, WESTERN ST
ELURU
WEST GODAVARI
ANDHRA PRADESH
534001
PH. NO :9490000385



No. of credits recommended by NPTEL:2

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



Elite

NPTEL Online Certification

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



This certificate is awarded to

NAVEEN KANURI

for successfully completing the course

Deep Learning - Part 2

with a consolidated score of **74** %

Online Assignments	23.33/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **159**

A. Ramesh

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

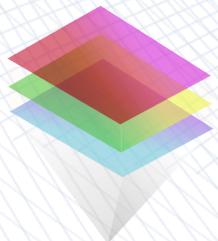
Feb-Apr 2019
(8 week course)

Thangaraj
Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras





ONE FOURTH
L A B S

COURSE CERTIFICATE

June 7, 2019

Naveen Kanuri

has successfully completed

PadhAI - Deep Learning course completion

An online course offered by One Fourth Labs.



Mitesh Khapra
Co-founder
One Fourth Labs

Pratyush Kumar
Co-founder
One Fourth Labs

Certificate: 13995093