



Certificates

- Advanced Data Science with IBM Specialization, **Coursera**.
- IBM Data Science professional certificate, **Coursera**.
- Applied Data Science with IBM, **Coursera**.
- Introduction to Data Science with IBM, **Coursera**.
- Geospatial Applications for Disaster Risk Management, Advance Module, **ISRO and UNOOSA**.
- Geospatial Applications for Disaster Risk Management, Basic Module, **ISRO and UNOOSA**.
- Microsoft Certified: Azure AI Fundamentals, **AI-900**.





4 Courses

Fundamentals of Scalable
Data Science

Advanced Machine Learning
and Signal Processing

Applied AI with
Deep Learning

Advanced Data Science
Capstone



30-Jan-2021

Ankur Roy

has successfully completed the online, non-credit Specialization

Advanced Data Science with IBM

As a coursera certified specialization completer you will have a proven deep understanding on massive parallel data processing, data exploration and visualization, and advanced machine learning & deep learning. You'll understand the mathematical foundations behind all machine learning & deep learning algorithms. You can apply knowledge in practical use cases, justify architectural decisions, understand the characteristics of different algorithms, frameworks & technologies & how they impact model performance & scalability.

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.

Tom Hanlon
Training Director
Skymind

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

Niketani Pansare
Senior Software
Engineer
IBM Research

Ilja Rasin
Data Scientist
IBM Watson Health

Max Pumperla
Deep Learning Engineer

Nikolay Manchev
Senior Data Scientist
IBM EMEA Data Science
(2015-2019)

Verify this certificate at:
coursera.org/verify/specialization/3637C79R3GU9



9 Courses

What is Data Science?

Tools for Data Science

Data Science Methodology

Python for Data Science and AI

Databases and SQL for Data Science

Data Analysis with Python

Data Visualization with Python

Machine Learning with Python

Applied Data Science Capstone



20-Dec-2020

Ankur Roy

has successfully completed the online, non-credit Professional Certificate

IBM Data Science

In this Professional Certificate learners developed and honed hands-on skills in Data Science and Machine Learning. Learners started with an orientation of Data Science and its Methodology, became familiar and used a variety of data science tools, learned Python and SQL, performed Data Visualization and Analysis, and created Machine Learning models. In the process they completed several labs and assignments on the cloud including a Capstone Project at the end to apply and demonstrate their knowledge and skills.

Rav Ahuja
AI & Data Science
Program Director
IBM Skills Network

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Verify this certificate at:
coursera.org/verify/professional-cert/FQM3U22JD2JW



4 Courses

Python for Data Science and AI

Data Analysis with Python

Data Visualization with Python

Applied Data Science Capstone



27-Jan-2021

Ankur Roy

has successfully completed the online, non-credit Specialization

Applied Data Science

In this specialization learners developed and honed skills for practical data science and machine learning problems. The specialization included learning Python, as well as performing data analysis, and creating data visualizations using Python. Learners also completed a Capstone project to apply and demonstrate their newly acquired knowledge and skills.

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Joseph Santarcangelo
Senior Data Scientist
IBM

Alex Aklson, Ph.D.
Data Scientist

Saishruthi Swaminathan
Data Scientist
IBM CODAIT

Verify this certificate at:
coursera.org/verify/specialization/2XU487P3E4DA



4 Courses

What is Data Science?

Tools for Data Science

Data Science Methodology

Databases and SQL for Data Science



10-Jan-2021

Ankur Roy

has successfully completed the online, non-credit Specialization

Introduction to Data Science

In this Specialization learners developed foundational Data Science skills to prepare them for a career or further learning that involves more advanced topics in Data Science. The specialization entailed understanding what is Data Science is and the various kinds of activities that a Data Scientist's perform. It familiarized learners with various open source tools, like Jupyter notebooks, used by Data Scientists. It taught them about methodology involved in tackling data science problems. The specialization also provided knowledge of relational database concepts and the use of SQL to query databases. Learners completed hands-on labs and projects to apply their newly acquired skills and knowledge.

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Rav Ahuja
AI & Data Science
Program Director
IBM Skills Network

Verify this certificate at:
coursera.org/verify/specialization/NJD89X5C65CC





UNITED NATIONS
Office for Outer Space Affairs



ENROLMENT No. JIRS2020416245

Certificate of Completion

THIS CERTIFICATE IS

AWARDED TO

ANKUR ROY

ON SUCCESSFUL COMPLETION OF ADVANCE MODULE (**Track 2**)

OF THE MASSIVE OPEN ONLINE COURSE ON

GEOSPATIAL APPLICATIONS FOR DISASTER RISK MANAGEMENT

JOINTLY CONDUCTED BY

Centre for Space Science and Technology Education for Asia and the Pacific (CSSTEAP) &
United Nations Platform for Space based Information for Disaster management and Emergency Response (UN-SPIDER)

Mr. C.M. Bhatt
Course Coordinator, CSSTEAP
India

Dr. Shirish Ravan
Head, UN-SPIDER Beijing Office
Austria

Dr. Prakash Chauhan
Director, CSSTEAP
India



UNITED NATIONS
Office for Outer Space Affairs



ENROLMENT No. JIRS2020416245

Certificate of Completion

THIS CERTIFICATE IS

AWARDED TO

ANKUR ROY

ON SUCCESSFUL COMPLETION OF BASIC MODULE (**TRACK 1**)

OF THE MASSIVE OPEN ONLINE COURSE ON
GEOSPATIAL APPLICATIONS FOR DISASTER RISK MANAGEMENT

JOINTLY CONDUCTED BY

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Mr. C.M. Bhatt
Course Coordinator, CSSTEAP
India

Dr. Shirish Ravan
Head, UN-SPIDER Beijing Office
Austria

Dr. Prakash Chauhan
Director, CSSTEAP
India



Microsoft Certified

Azure AI Fundamentals

ANKUR ROY

Has successfully completed the requirements to be recognized as a Microsoft Certified: Azure AI Fundamentals.

Date of achievement: March 25, 2021



Satya Nadella
Chief Executive Officer



Certification number: H731-1170