



5 Courses

Python for Data Science, AI  
& Development

Python Project for Data  
Science

Data Analysis with Python

Data Visualization with  
Python

Applied Data Science  
Capstone



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**UTSHAB KUMAR GHOSH**

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.

Joseph Santarcangelo  
Senior Data Scientist  
IBM

Azim Hirjani  
Cognitive Data Scientist

Saishruthi Swaminathan  
Data Scientist  
IBM CODAIT

Yan Luo  
Ph.D., Data Scientist  
and Developer

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.

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