



9 Courses



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## James Andrew Carroll

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

**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**

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:  
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