



5 Courses

Tools for Data Science

Python for Data Science, AI  
& Development

Python Project for Data  
Science

Statistics for Data Science  
with Python

Databases and SQL for Data  
Science with Python



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**T. Sathiyarayanan**

has successfully completed the online, non-credit Specialization

# Data Science Fundamentals with Python and SQL

The earner of this certificate has demonstrated mastery of foundational skills required for Data Science, including a working knowledge of open source tools and libraries such as Jupyter notebooks and R Studio, Python programming language, Statistical Analysis techniques, SQL and relational databases. The individual has hands-on practice and completed several projects involving real-world data sets employing tools and techniques used by practicing data scientists. The learner is now armed with the skills and knowledge to start tackling Data Science problems and challenges.

Rav Ahuja, Program  
Director, IBM Skills  
Network

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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