



9 Courses

What is Data Science?

Open Source 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



05/07/2020

## Chandrasekhar Gudipati

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.

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.

Joseph Santarcangelo  
Senior Data Scientist  
IBM

Polong Lin  
Data Scientist, IBM

Alex Aklson, Ph.D.  
Data Scientist

Rav Ahuja  
AI & Data Science  
Program Director  
IBM Skills Network

Saeed Aghabozorgi  
Sr. Data Scientist  
IBM

Verify this certificate at:  
[coursera.org/verify/professional-cert/TE82WQS2292P](https://coursera.org/verify/professional-cert/TE82WQS2292P)



4 Courses

What is Data Science?

Open Source tools for Data Science

Data Science Methodology

Databases and SQL for Data Science



05/11/2020

**G CHANDRASEKHAR**

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.

Polong Lin  
Data Scientist, IBM

Alex Aklson, Ph.D.  
Data Scientist

Rav Ahuja  
AI & Data Science  
Program Director  
IBM Skills Network

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4 Courses

Python for Data Science and AI  
Data Analysis with Python  
Data Visualization with Python  
Applied Data Science Capstone



05/11/2020

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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

Alex Aklson, Ph.D.  
Data Scientist

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12/17/2018

Chandrasekhar Gudipati

has successfully completed

What is Data Science?

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read 'Alex Aklson', written over a horizontal dotted line.

Alex Aklson, Ph.D.  
Data Scientist

A handwritten signature in black ink, appearing to read 'Polong Lin', written over a horizontal dotted line.

Polong Lin  
Data Scientist, IBM

COURSE  
CERTIFICATE



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Coursera has confirmed the identity of this individual and  
their participation in the course.



12/17/2018

Chandrasekhar Gudipati

has successfully completed

Open Source tools for Data Science

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in blue ink, appearing to read 'Polong Lin'.

Polong Lin  
Data Scientist, IBM

COURSE  
CERTIFICATE



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their participation in the course.



12/18/2018

Chandrasekhar Gudipati

has successfully completed

Data Science Methodology

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read 'Alex Aklson', written over a horizontal dotted line.

Alex Aklson, Ph.D.  
Data Scientist

A handwritten signature in black ink, appearing to read 'Polong Lin', written over a horizontal dotted line.

Polong Lin  
Data Scientist, IBM

COURSE  
CERTIFICATE



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their participation in the course.



03/27/2019

Chandrasekhar Gudipati

has successfully completed

Python for Data Science

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, reading "Joseph Santarcangelo".

Joseph Santarcangelo  
Senior Data Scientist  
IBM

A handwritten signature in black ink, reading "Rav Ahuja".

Rav Ahuja  
AI & Data Science Program Director,  
IBM Skills Network

COURSE  
CERTIFICATE



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their participation in the course.





05/02/2020

**Chandrasekhar Gudipati**

has successfully completed

**Databases and SQL for Data Science**

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read 'Rav Ahuja', written over a horizontal dotted line.

Rav Ahuja  
AI & Data Science Program Director  
IBM Skills Network

**COURSE  
CERTIFICATE**



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their participation in the course.





05/03/2020

# Chandrasekhar Gudipati

has successfully completed

## Data Analysis with Python

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, reading "Joseph Santarcangelo".

Joseph Santarcangelo  
Senior Data Scientist  
IBM

### COURSE CERTIFICATE



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their participation in the course.



05/04/2020

Chandrasekhar Gudipati

has successfully completed

Data Visualization with Python

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read 'Alex Aklson', written over a horizontal line.

Alex Aklson, Ph.D.  
Data Scientist

COURSE  
CERTIFICATE



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their participation in the course.



05/04/2020

Chandrasekhar Gudipati

has successfully completed

Machine Learning with Python

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, reading "Saeed A." in a cursive style.

Saeed Aghabozorgi  
Sr. Data Scientist  
IBM

A handwritten signature in black ink, reading "J. Santarcangelo" in a cursive style.

Joseph Santarcangelo  
Senior Data Scientist  
IBM

COURSE  
CERTIFICATE



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05/07/2020

**G CHANDRASEKHAR**

has successfully completed

**Applied Data Science Capstone**

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in black ink, appearing to read 'Alex Akison', written over a horizontal line.

Alex Akison, Ph.D.  
Data Scientist

**COURSE  
CERTIFICATE**



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