

10 Courses



Tools for Data Science

Data Science Methodology

Python for Data Science, AI & Development

Python Project for Data Science

Databases and SQL for Data Science with Python

Data Analysis with Python

Data Visualization with Python

Machine Learning with Python

Applied Data Science Capstone



Apr 21, 2021

KAMMELA BHARATH RAM KUMAR

has successfully completed the online, non-credit Professional Certificate

IBM Data Science

In this Professional Certificate learners developed and honed handson 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 Al & Data Science 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.

Verify this certificate at: coursera.org/verify/professionalcert/UP2DNK469FBL



3 Courses

Understanding and Visualizing Data with Python

Inferential Statistical Analysis with Python

Fitting Statistical Models to Data with Python



Apr 30, 2021

KAMMELA BHARATH RAM KUMAR

has successfully completed the online, non-credit Specialization

Statistics with Python

This specialization is designed to teach learners beginning and intermediate concepts of statistical analysis, and use of the Python programming language to conduct data analyses. Learners will learn where data come from, what types of data can be collected, how to effectively summarize and visualize data, how to utilize data for estimation and assessing theories, proper interpretations of inferential results, and how to apply more advanced statistical modeling procedures.

Brenda Gunderson, Ph.D., Lecturer IV

Kerby Shedden, Ph.D., Professor

Brady T. West, Ph.D., Research Associate Professor

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Verify this certificate at: coursera.org/verify/specialization/NTD3PF87MQV9





Certificate of Completion Congratulations, Bharath Ram Kumar Kammela

Master Python for Data Science

Learning Path completed on May 09, 2021 at 03:02PM UTC • 29 hours 43 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

Top skills covered

Big Data, Python (Programming Language), Object-Oriented Programming (OOP)

Head of Content Strategy, Learning

LinkedIn Learning 1000 W Maude Ave Sunnyvale, CA 94085

Certificate Id: AbyRiNrbTMbMPt3zHr-FoRa0BFB1





This is to certify that

BHARATH RAM KUMAR

successfully completed and received a passing grade in

Introduction to Data Science

(DS0101EN, provided by Cognitive Class)

A course on **cognitive class.ai**Powered by **IBM Developer Skills Network.**

Issued by Cognitive Class

April 23, 2021

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/191a977e9d2446a792408339deaafb4b

Certificate ID Number: 191a977e9d2446a792408339deaafb4b April 23, 2021





This is to certify that

BHARATH RAM KUMAR

successfully completed and received a passing grade in

Data Science Methodology (DS0103EN, provided by Cognitive Class)

A course on cognitive class.ai Powered by IBM Developer Skills Network.

> Issued by **Cognitive Class**

April 23, 2021

Authenticity of this certificate can be validated by going to: https://courses.cognitiveclass.ai/certificates/49b4efe1318b4d79a9d38c91d640e048

Certificate ID Number: 49b4efe1318b4d79a9d38c91d640e048 April 23, 2021





This is to certify that

BHARATH RAM KUMAR

successfully completed and received a passing grade in

Data Science Tools

(DS0105EN, provided by IBMDeveloperSkillsNetwork)

A course on cognitive class.ai Powered by IBM Developer Skills Network.

> Issued by Cognitive Class

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Developer Advocate IBM

Issued on:

May 9, 2021

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