03 Data Science and Analytics Certificate Program

Duration:
100 hours

Program Description:

The Data Science and Analytics Certificate Program is a comprehensive, 100-hour program designed to provide a solid foundation in the principles, tools, techniques, and technologies related to the burgeoning field of data science. The course offers an in-depth exploration of statistical concepts, data manipulation, data visualization, machine learning, big data analytics, and data-driven decision-making. Hands-on programming training is provided, with a primary focus on Python and its related data science libraries. The program concludes with a capstone project that offers an opportunity to apply the knowledge and skills learned throughout the course to solve a real-world data science problem. This program is designed to cater to beginners as well as professionals looking to enhance their data science skills and knowledge.

Successful completion of all the below modules is necessary to earn the data science and analytics certificate program credential.

0301 Foundations of Data Science Principles
- Duration: 20 hours

0302 Data Handling and Visualization
- Duration: 20 hours

0303 Machine Learning Basics
- Duration: 25 hours

0304 Data Analytics
- Duration: 25 hours

0305 Data-Driven Decision Making
- Duration: 10 hours