

Data Science Master Class-2023

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Description:

A Data Science Masterclass is an intensive and comprehensive training program designed to equip individuals with the knowledge, skills, and tools necessary to become a successful data scientist. It covers various topics such as statistics, machine learning, data visualization, programming, and data manipulation techniques. The program typically involves a hands-on approach with real-world projects and case studies, providing participants with practical experience and industry-relevant skills. By the end of the masterclass, individuals will have a deep understanding of the data science process, be able to handle and analyze large datasets, and develop predictive models that can be applied in various fields.

What you will learn:

- Essential Python concepts for data science, including data types, variables, loops, and functions
- How to work with data using Python's powerful data manipulation libraries, such as NumPy and Pandas
- How to visualize data using Python libraries such as Matplotlib and Seaborn
- Machine learning with Python: Supervised and Unsupervised learning
- Techniques and best practices for effective data analysis and data storytelling

Keynote about this course

Comprehensive training

Hands-on experience

7 core concepts

Industry-relevant skills

10 +projects

Downloadable ppt and source code

Live interaction

Expert instructors

Certificate upon completion

Agenda

Python for Data Science:

Day 1: Introduction of data science

Day 2: Basic python programming- Part I

Day 3: Python programming– Part II

Libraries for Data science

Day 4: Python for data analytics- Pandas

Day 5: Python for data analytics- NumPy

Day 6: Python for data analytics- Matplotlib

Day 7: Python for data analytics- Seaborn

Data science element

Day 8: Data Collection, Data Wrangling, and Data Cleaning Techniques

Day 9: Exploratory Data Analysis (EDA) and Data Visualization Techniques

Day 10: Probability and Statistics for Data Science

Machine learning , Data processing and feature engineering

Day 11: Introduction to Machine Learning and Types of Learning

Day 12: Preprocessing Data for Machine Learning

Day 13: Feature Selection and Feature Engineering Techniques

Day 15: Handling Missing Data and Outliers

Day 16: Encoding Categorical Variables and Scaling Numerical Variables

Day 17: supervised learning regression and classification - model

Day 18: unsupervised learning clustering- model

Tools for visualization

Day 19: Introduction Tableau – data visualization

Day 20: Tableau – Data Sources, Worksheet

Day 21: Introduction power BI

Day 22: Visualize Data in the Form of Various Charts, Plots, and Maps BI tools - Power BI

Data science Project

Day 23: Credit score classification

Day 24: Stress prediction

Day 25: Social Media Ads Classification

Day 26: electricity price prediction

Day 27: Ground water level prediction

Day 28: churn analysis prediction

Day 29: drowsiness detection by using CNN

Day 30: chat bot