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Data Science Course



4-10

Interviews





Modules Covered

1. Foundations of Data Science

- Introduction to data science and its applications
- Understanding the data science workflow
- Overview of Python programming language

2. Python Basics

- Variables, data types, and operators
- Control flow: if statements, loops
- Functions and modules

3. Data Manipulation with Python

- Introduction to NumPy for numerical computing
- Introduction to Pandas for data manipulation and analysis

4. Data Visualization

- Introduction to Matplotlib and Seaborn for data visualization
- Creating basic plots: line plots, bar plots, scatter plots



5. Intermediate Python and Statistics for Data Science

- List comprehensions and lambda functions
- Error handling with try-except blocks
- File handling: reading and writing files

6. Statistical Analysis

- Descriptive statistics: mean, median, mode, variance, standard deviation
- Probability distributions: normal, binomial, Poisson
- Hypothesis testing: t-tests, chi-square tests

7. Exploratory Data Analysis (EDA)

- Understanding the importance of EDA
- Techniques for EDA: summary statistics, data visualization

8. Data Preprocessing

- Dealing with missing values
- Feature scaling and normalization
- Encoding categorical variables

9. Introduction to Machine Learning

- Understanding supervised and unsupervised learning
- Overview of machine learning algorithms

10. Supervised Learning

- Linear Regression
- Logistic Regression
- Decision Trees and Random Forests

11. Unsupervised Learning

- K-means Clustering
- Hierarchical Clustering
- Dimensionality Reduction: PCA

12. Model Evaluation and Selection

- Cross-validation
- Model evaluation metrics: accuracy, precision, recall, F1-score
- Hyperparameter tuning

13. Advanced Machine Learning

- Support Vector Machines (SVM)
- Ensemble Methods: Bagging, Boosting
- Introduction to Neural Networks

14. Deep Learning

- Basics of neural networks
- Introduction to TensorFlow or PyTorch for deep learning

15. Natural Language Processing (NLP)

- Introduction to NLP
- Text preprocessing techniques
- Building NLP models: sentiment analysis, text classification

16. Capstone Project

- Apply learned concepts to a real-world dataset
- Define a problem statement
- Data exploration, preprocessing, modeling, and evaluation

Training Certificate



4 SUCCESS LEARNING CURVE



1 —
2 —
3 —

4. Job / Internship

Gain practical experience and insights into the day-to-day work of data scientists.



3. Interview Preparation & Profile Marketing

Excel in job interviews and effectively market personal brand to potential employers.

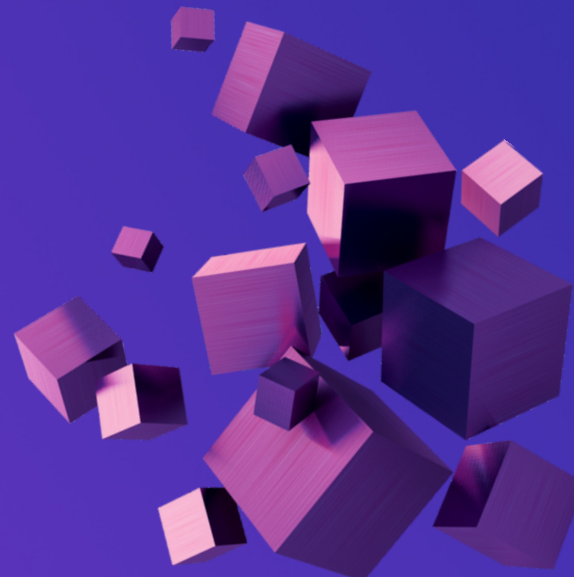


2. Capstone Projects

Apply the theoretical knowledge and technical skills learned during the course to solve real-world problems.

1. Realtime personal training

Receive personalized guidance and feedback from experienced data scientists to deepen understanding and refine skills.



Comparison

Main Comparison		Others
Realtime Training	✓	✓
Internship	✓	✗
Training by company founders	✓	✗
80% less Course fee	✓	✗
Career Gap Support	✓	✗
Weekly Tests & Quizzes	✓	✗
CRT & Mock Interviews Training	✓	✗
Weekly Personal Coaching	✓	✗
Realtime Projects	✓	✗
4-10 Interviews Guarantee	✓	✗
Profile Marketing	✓	✗
Internship	✓	✗

Course training available in Telugu | Hindi | English Languages



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