CODING PRO ACADEMY

# DATA SCIENCE




**Turn Data Into Insights. Build Smarter Solutions.**

Learn the foundations of data science, statistics, Python, machine learning, data visualization, and practical project-based problem solving.

**DURATION** **2 MONTHS**

## COURSE CURRICULUM

| TOPICS | SUB TOPICS | |
|---|---|---|
| **Introduction to Data Science** | Introduction to Data Science<br>Data Science Workflow | Setting Up Environment |
| **Probability and Statistics** | Introduction to Probability and Statistics<br>Types of Probability<br>Introduction to Statistics, Its Role and Examples of Statistical Data Analysis<br>Skewness and Variability | More on Probability<br>More on Probability and Bayes' Theorem<br>Measures of Central Tendency<br>Range, Standard Deviation and Variance |
| **Python and Fundamental Libraries** | Introduction to Python and Fundamental Libraries | |
| **Machine Learning Libraries** | NumPy, Pandas & Matplotlib | Seaborn & Scikit-learn |
| **Feature Engineering** | Exploratory Data Analysis<br>Data Mining | Data Visualization<br>Hypothesis Testing |
| **Types of Learning in Machine Learning** | Supervised Learning<br>Reinforcement Learning | Unsupervised Learning |
| **Testing** | Evaluation of Model | Network Analysis |
| **Workshop** | Hands-on Project | |
| **Projects** | Guess the Object<br>Plotting a Graph | Judge a Book by Its Cover |

**ONLINE & OFFLINE LEARNING** | **CERTIFICATE AVAILABLE** | **LED BY IIT / IIM ALUMNI** | **AI INTERVIEW & RESUME BUILDER**


9213413571
info@codingproacademy.com
codingproacademy.com

15/B, Second Floor, Speranza Business Hub,
Beside Raj Victoria Shopping Center,
New Pal Road, Pal, Adajan, Surat, Gujarat 394510

Click here for location