

PYTHON

MASTERY PROGRAM

A structured, hands-on Python program that takes learners from core syntax through object-oriented design, data handling, and visualization — building all the way up to machine learning and real-world projects.

Program Curriculum

01 Python Foundations

- Syntax, Variables & Data Types
- Loops & Functions

02 Object-Oriented Python

- Classes & Inheritance
- Polymorphism & Encapsulation

03 File Handling & Core Modules

- File I/O
- NumPy & Pandas
- Django

04 Data Visualization

- Matplotlib & Plots
- Bar & Pie Charts
- Histograms

05 Machine Learning Essentials

- Regression & Clustering
- Decision Trees
- K-Nearest Neighbors

06 Data Structures & Algorithms

- Stacks, Queues & Trees
- Graphs
- Sorting & Searching

07 Databases

- MySQL & MongoDB
- Queries & CRUD Operations

08 Real Projects & Certification

- Hands-on Projects
- Practice Problems & Quizzes
- Python Certification Exam

Who Should Enroll

- ✓ Students & freshers starting their programming journey
- ✓ Professionals moving into data science or ML roles
- ✓ Developers wanting a versatile, in-demand skillset
- ✓ Candidates preparing for Python technical interviews

Program Highlights

- ✓ Hands-on Training
- ✓ Expert Mentors
- ✓ Real-World Projects
- ✓ Certification Included
- ✓ Flexible EMI Available