

Python Programming & Full Stack Development Masterclass

Zero to Industry-Ready Software Engineer • Live Projects & GitHub Portfolio

Course Duration: 2.5 – 4 Months (Daily 2-Hour Practical Lab Sessions)	Target Audience: BCA, B.Sc IT, B.Tech, MCA Graduates, Career Switchers & Coding Beginners
Certification: Govt & Industry Recognized	Placement Support: 100% Mock & Interview Drives

Curriculum & Detailed Module Breakdown

Module	Topics & Practical Competencies	Duration
Module 1	Python Core Fundamentals: Syntax, Variables, Data Types, Control Structures, Loops, Functions, Recursion & Exception Handling	2 Weeks
Module 2	OOPs in Python: Classes, Objects, Inheritance, Polymorphism, Encapsulation, Dunder Methods & Design Patterns	2 Weeks
Module 3	Data Structures & File I/O: Lists, Tuples, Dictionaries, Sets, JSON, CSV parsing, File Streams & Regular Expressions	2 Weeks
Module 4	Database Integration: Relational Database Modeling with MySQL/PostgreSQL, CRUD Operations, SQLAlchemy & ORM	2 Weeks
Module 5	Web Backend with Django / FastAPI: MTV Architecture, RESTful API Development, User Authentication, JWT Tokens & Middleware	3 Weeks
Module 6	Frontend Basics & Integration: HTML5, CSS3, JavaScript ES6, Fetch API, Bootstrap/Tailwind & React Integration	2 Weeks
Module 7	Deployment & Portfolio: Git/GitHub, Docker basics, Linux deployment on AWS/DigitalOcean, Capstone Project Presentation	2 Weeks

Career Opportunities & Industry Placement

Target Roles: Python Developer, Junior Full Stack Engineer, Backend API Developer, Automation Specialist. Starting salary packages in Ahmedabad & GIFT City range from ■3.5 LPA to ■6.5 LPA.

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