

## Python Full Stack Development – Monthly Syllabus & Projects

### ☐ 1-Month Track: Foundations + Mini Projects

☐ Ideal for: Beginners or students with limited time

☐ Goal: Learn frontend, Python, Django basics + deploy a simple project

### ☐ Syllabus

Week 1: HTML5, CSS3, Bootstrap, JavaScript (DOM, Events)

Week 2: Core Python: Data Types, Loops, Functions, OOP, File Handling

Week 3: Django: MVT Architecture, Templates, Views, Models, CRUD

Week 4: MySQL Integration, Django Auth (Login/Signup), Session Handling, Deployment

### ✓ Projects

Project 1: Personal Portfolio Website (HTML + CSS + Bootstrap)

Project 2: Command-Line Notes App (Python File CRUD)

Project 3: Student Management CRUD System (Django + MySQL)

Final Mini Project: Blog or Task Manager App with Login (hosted on Render)

### ☐ 2-Month Track: Full Stack Integration + REST API

☐ Ideal for: Intermediate learners or students building API skills

☐ Goal: Learn REST API with DRF + integrate frontend with backend

### ☐ Syllabus

Week 1–4: Full 1-Month Content

Week 5: Django Intermediate: Class-Based Views, Advanced Forms, Email

Week 6: Django REST Framework: Serializers, ViewSets, API CRUD, Postman

Week 7: JWT Auth, Middleware, Role-Based Permissions

Week 8: API + JavaScript Integration using fetch(), Auth Dashboard Setup

### ✓ Projects

All 1-Month Projects

Project 4: Product Management API (DRF + Postman Testing)

Project 5: API Integrated Student/Product CRUD Web App (JS + DRF)

Final Intermediate Project: Inventory / Blog / LMS Light Version

- ❑ 3-Month Track: Job-Ready Developer + Capstone
- ❑ Ideal for: Job seekers, freelancers, and final-year students
- ❑ Goal: Build & deploy a full-fledged real-world full stack application
- ❑ Syllabus

Week 1–8: Full 2-Month Content

Week 9: Capstone Planning – Wireframe, ER Diagram, Backend API Design

Week 10: Full Stack Development – CRUD, Auth, Token Handling, Dashboards

Week 11: Hosting Backend (Render) + Frontend (Netlify), Domain & DB Setup

Week 12: Resume Prep, GitHub Portfolio, Interview Questions, Final Review

✓ Projects

All 1 & 2-Month Projects

Project 6: Blog System with Auth & Full Stack API Integration

Project 7: Feedback/LMS App with Admin & User Dashboards

Capstone Project: E-Commerce / Blog CMS / Course Portal with APIs, Auth, Hosting, GitHub, Resume

- ❑ Outcome per Duration:

Duration

Skills Mastered

Projects Delivered

Hosting & Deployment

1 Month

Frontend + Python + Django

3–4 Projects

✓ Mini Project hosted

2 Months

Full Stack + API + Auth

5–6 Projects

✓ Intermediate App Hosted

3 Months

Real-World Apps + Job Ready

7–8 Projects incl. Capstone

✓Final Live Project Deployed

**Duration**

**Original Price (INR)**

**Offer Price (INR)**

**Inclusions**

1 Month

₹8,000

₹6,000

Basic syllabus + 3 projects + certificate

2 Months

₹16,000

₹12,000

Extended syllabus + 5 projects + certificate

3 Months

₹24,000

₹18,000

Full syllabus + Capstone + 8 projects + certificate + GitHub + Resume