3-Month Python Full Stack

Month 1: Core Foundation + First Project

Week 1: Foundation + Web Designing

- - HTML5, CSS3

- - Basic Bootstrap 5

- - Build: Personal Portfolio

Week 2: JavaScript + DOM + Git

- - Variables, Functions, Events

- - DOM Manipulation

- - Git/GitHub Basics

- - Build: To-Do App or Calculator

Week 3: Python Programming - -

Basics: Data types, loops, functions - -

OOP: Class, Inheritance, etc.

- - Mini CLI Project: Contact Book or ATM

Week 4: React.js or Angular (Pick One)

- - React: useState, Props, JSX, Events

- - Project: Weather App (API) or Task Manager

Month 2: Backend with Django + Projects

Week 5: Django + ORM + Database

- - Django Setup, Templates, Views

- - Models, CRUD with SQLite/PostgreSQL

- - Build: Blog App with Admin Panel

Week 6: Authentication + First Project

- - Login, Register, Logout

- - Form Handling, Validation

- - Build: Mini E-Commerce OR Blood Bank (Phase 1)

Week 7: Django REST Framework (DRF)

- - API Basics: Serializers, Views, Routers

- - API Security: Token, JWT

- - Build: Notes App or API for To-Do

Week 8: Project 2 (React + Django API)

- - Frontend: React

- - Backend: Django REST API

- - Integration: Axios/Fetch + Routing

- - Deployment: Netlify + Render

Month 3: Advanced Tools + Final Project

Week 9: Data Structures + Unix + Testing

- - Stack, Queue, Lists in Python

- - Linux commands

- - Django Unit Testing + Postman Testing

Week 10: Microservices + NoSQL

- - Intro to Microservices (basic concept)

- - MongoDB / Firebase Setup

- - Mini Microservice Practice

Week 11: FastAPI + Next.js (Optional)

- - FastAPI Basics (very fast backend)

- - Intro to Next.js (for React SSR)

- - API Building or Server-side Rendering

Week 12: Final Full Stack Project + Resume

- - Final Project (Blog / Store / Chat App / BBMS)

- - Prepare Resume + GitHub Repos

- - Mock Interview & Deployment