

Emtiaz Ahamed - Full Stack Web Dev + Python Backend Roadmap

Introduction

This roadmap is designed to guide Emtiaz step-by-step from beginner to job-ready Full Stack Web Developer with Python Backend, later adding AI/ML integration. The journey will be positive, relaxing, and focused on consistent progress.

Phase 1

PHASE 1 - Foundations & Setup (1-1.5 months)

Goal: Build solid HTML, CSS, Python basics, and GitHub presence.

Week 1:

- Install tools: VS Code, Python, Git
- Create GitHub account & first repo
- Learn terminal basics

Week 2-3:

- Learn HTML & CSS deeply
- Mini project: Personal portfolio website

Week 4-5:

- Python refresher: syntax, loops, functions
- Mini projects: calculator, to-do app
- Start Flask basics (routes, templates)

Phase 2

PHASE 2 - Full Stack Skills (2-3 months)

Goal: Build dynamic web apps with Python backend + database.

Month 2-3:

- Flask/Django routing, forms, templates

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- Database integration (SQLite/MySQL)
- CRUD app project (e.g., Book Store)

Month 3-4:

- Add JavaScript interactivity
- Learn Bootstrap/Tailwind CSS
- Deploy app online (Heroku/Render)

Phase 3

PHASE 3 - Specialisation & Portfolio (2-3 months)

Goal: Build strong portfolio & apply for jobs/internships.

Month 5:

- Learn basic ML (Scikit-learn, Pandas)
- Integrate ML models into web apps

Month 6:

- Create 3 major portfolio projects
- Update LinkedIn, GitHub, portfolio site
- Start job/internship/freelance applications

Rules

RULES FOR THE JOURNEY:

- Step-by-step learning, no rushing
- Weekly small wins
- Projects for every skill learned
- Fun, stress-free approach