120-Day Full-Stack + AI Developer Roadmap

This roadmap is designed for freshers who want to become a Full-Stack Developer with AI integration in 120 days. It includes daily tasks, learning sources (videos + docs), projects, and career prep. Follow the checklist consistently to land a good package.

Phase 1 (Day 1-21) – Foundations

JavaScript (Days 1–7)

- FreeCodeCamp JS Course: https://www.youtube.com/watch?v=jS4aFq5-91M
- MDN JS Docs: https://developer.mozilla.org/en-US/docs/Web/JavaScript

HTML + CSS (Days 8–14)

- HTML & CSS Crash Course: https://www.youtube.com/watch?v=G3e-cpL7ofc
- Tailwind CSS Crash Course: https://www.youtube.com/watch?v=dFgzHOX84xQ

Git + Portfolio (Days 15–21)

- Git & GitHub Crash Course: https://www.youtube.com/watch?v=RGOj5yH7evk
- Deploy with GitHub Pages: https://pages.github.com/

Phase 2 (Day 22-42) – Frontend

React (Days 22–28)

- React Full Course: https://www.youtube.com/watch?v=bMknfKXIFA8
- React Docs: https://react.dev/

Advanced React (Days 29–35)

- Redux Toolkit Tutorial: https://www.youtube.com/watch?v=9zySeP5vH9c
- Shadcn UI Docs: https://ui.shadcn.com/

Next.js + TypeScript (Days 36–42)

- Next.js 13 Crash Course: https://www.youtube.com/watch?v=NgayZAuTgwM
- TypeScript Crash Course: https://www.youtube.com/watch?v=gp5H0Vw39yw
- NextAuth Docs: https://next-auth.js.org/

Phase 3 (Day 43-63) – Backend

Node.js + Express (Days 43–49)

- Node.js Crash Course: https://www.youtube.com/watch?v=f2EqECiTBL8
- Express Docs: https://expressjs.com/

Databases (Days 50–56)

- PostgreSQL Full Course: https://www.youtube.com/watch?v=qw--VYLpxG4

- MongoDB Crash Course: https://www.youtube.com/watch?v=ofme2o29ngU
- Prisma Docs: https://www.prisma.io/docs

GraphQL + Realtime (Days 57–63)

- GraphQL Crash Course: https://www.youtube.com/watch?v=ZQL7tL2S0oQ
- Socket.IO Crash Course: https://www.youtube.com/watch?v=1BfCnjr_Vjg

Phase 4 (Day 64-84) – AI Integration

Python + ML (Days 64–70)

- Python Full Course: https://www.youtube.com/watch?v=rfscVS0vtbw
- NumPy & Pandas Crash Course: https://www.youtube.com/watch?v=vmEHCJofslg
- scikit-learn Docs: https://scikit-learn.org/stable/

AI APIs (Days 71–77)

- OpenAI API Docs: https://platform.openai.com/docs/
- Hugging Face Transformers: https://huggingface.co/docs/transformers/index

LangChain.js + Pinecone (Days 78–84)

- LangChain.js Docs: https://js.langchain.com/docs/
- Pinecone Docs: https://docs.pinecone.io/docs/overview
- LangChain + Pinecone Tutorial: https://www.youtube.com/watch?v=dXxQ0LR-3Hg

Phase 5 (Day 85-105) – DevOps + Cloud

DevOps (Days 85–91)

- GitHub Actions Crash Course: https://www.youtube.com/watch?v=R8_veQiYBjl
- Docker Full Course: https://www.youtube.com/watch?v=3c-iBn73dDE

AWS (Days 92–98)

- AWS EC2 Full Tutorial: https://www.youtube.com/watch?v=Tg2krHXHzBc
- AWS S3 Tutorial: https://www.youtube.com/watch?v=5e6bn4qx6no
- AWS RDS Tutorial: https://www.youtube.com/watch?v=JeD54y6YqE8

Scaling + Security (Days 99–105)

- Redis Crash Course: https://www.youtube.com/watch?v=jgpVdJB2sKQ
- API Security Best Practices: https://www.youtube.com/watch?v=7nafaH9SddU

Phase 6 (Day 106-120) – Capstone + Career Prep

Capstone Project

- Next.js SaaS Boilerplate: https://www.youtube.com/watch?v=H2Tzqe8JxCw
- Deploy Next.js on AWS: https://www.youtube.com/watch?v=5aYpkL7G4Jw

Career Prep

- DSA for Beginners: https://www.youtube.com/watch?v=8hly31xKli0
- How to Write a Tech Resume: https://www.youtube.com/watch?v=ZQbZK7mS4fI
- System Design Basics: https://www.youtube.com/watch?v=EjBWgV4d0U8