

■ Full Stack Development Placement Handbook

This handbook is your compact 16-week roadmap to become a Full Stack Developer ready for placements. It includes a weekly learning plan, curated resource links, project ideas with features, and placement preparation tips.

■ 16-Week Full Stack Roadmap

■ Week 1–2: HTML, CSS, Git/GitHub basics

- MDN HTML/CSS Docs (<https://developer.mozilla.org/en-US/>)
- YouTube – FreeCodeCamp HTML & CSS Crash Course
- Mini-project: Personal Portfolio Page

■ Week 3–4: JavaScript (ES6+)

- JavaScript.info (<https://javascript.info/>)
- YouTube – Namaste JavaScript
- Mini-project: Calculator / To-do App

■ Week 5–6: Advanced JS + DOM + APIs

- YouTube – Codevolution JS Playlist
- MDN Fetch API Docs (https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API)
- Mini-project: Weather App using OpenWeather API

■ Week 7–8: React.js Basics

- React Docs (<https://react.dev/>)
- YouTube – FreeCodeCamp React Crash Course
- Mini-project: Movie Search App (OMDB API)

■ Week 9–10: Advanced React + Hooks + Router

- React Router Docs (<https://reactrouter.com/>)
- YouTube – Codevolution React Hooks
- Mini-project: Blog App (CRUD with JSONPlaceholder API)

■ Week 11: Node.js + Express.js

- Node.js Docs (<https://nodejs.org/en/docs/>)
- Express Docs (<https://expressjs.com/>)
- Mini-project: REST API for Notes App

■ Week 12: MongoDB + Mongoose

- MongoDB Docs (<https://www.mongodb.com/docs/>)
- YouTube – Mongoose Crash Course

- Mini-project: User Auth System

■ Week 13–14: Full Stack Integration (MERN)

- YouTube – FreeCodeCamp MERN Course
- Mini-project: E-commerce App (basic version)

■ Week 15: Authentication & Deployment

- JWT Docs (<https://jwt.io/>)
- Deployment: Vercel (<https://vercel.com/>), Netlify (<https://www.netlify.com/>), Render (<https://render.com/>), MongoDB Atlas (<https://www.mongodb.com/atlas>)
- Mini-project: Auth-enabled Blog/E-commerce

■ Week 16: Capstone Project + Resume Prep

- Final Project: Job Portal / Advanced E-commerce
- Polish GitHub profile & resume
- Prepare system design + DSA revision

■ Major Projects (Resume-Ready)

■ E-Commerce App

- - User authentication (JWT)
- - Product listing & search
- - Cart & Checkout
- - Payment Integration (Stripe test mode)
- - Admin Dashboard

■ Blog Platform

- - CRUD for posts
- - User login/signup
- - Comments & Likes
- - Deployed live

■ Job Portal

- - User roles: Job Seeker & Employer
- - Job applications
- - Admin approval flow
- - Resume upload

■ Placement Preparation

- Keep GitHub profile updated with all projects.
- Use professional README templates for projects.
- Highlight Full Stack projects in resume with action verbs (e.g., 'Built', 'Deployed').
- Revise DSA (Arrays, Strings, Trees, Graphs, DP).

- Review basic System Design (Scalability, APIs, Databases).