

# Full Stack (Job-Ready Course)

## SECTION 1: Web Development Foundations

What you will learn:

- How websites and web applications work
  - Internet, DNS, hosting & client-server architecture
  - Developer tools (VS Code, Git, DevTools, Postman)
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## SECTION 2: HTML & CSS Mastery

What you will learn:

- HTML5 semantic structure, forms & accessibility
- CSS Flexbox, Grid & responsive design
- Tailwind CSS for modern UI

Minor Project:

- Login + Signup UI Page
  - portfolio Structure design
  - Website design clone
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## SECTION 3: JavaScript Foundation

What you will learn:

- JS fundamentals (variables, loops, functions)
- DOM manipulation & events
- Async JS, Promises, Fetch API

Minor Project:

- Quiz Application

- Expense Tracker

Major Project:

- Personal Portfolio Development
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## SECTION 4: Node.js & Express Backend

What you will learn:

- Node.js & Express server setup
- REST APIs & routing
- Backend architecture basics

Minor Project:

- Notes API Backend
  - API Integration projects
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## SECTION 5: Database & Authentication

What you will learn:

- MongoDB & PostgreSQL basics
- JWT authentication system
- Password hashing & security

Minor Project:

- User Authentication System
  - CRUD System
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## SECTION 6: React Frontend

What you will learn:

- React fundamentals & hooks
- State management (Context, Zustand)

- React Router & SPA apps

Minor Project:

- Weather App
  - Real world projects
  - Budget planner
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## SECTION 7: Full Stack Integration

What you will learn:

- MERN integration
- Authentication flow full-stack
- Git & GitHub workflow

Major Project:

- Hospital Management system
  - Inventory Management System
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## SECTION 8: Deployment & AI Integration

What you will learn:

- VPS deployment with Nginx
- Domain & SSL setup
- AI integration (LangChain / TensorFlow.js)
- Portfolio building & Freelancing tips

Minor Project:

- Deploy Full Stack App
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## SECTION 9: Certification And Placement Opportunity

- Course completion certificate

- Real world project evaluation
- Placement opportunity