

Full Stack MERN Development Training

Duration: 3 Months (~120 Hours) | Fee: ₹11,999 | Format: Online | Level: Beginner to Advanced

Module 1: Frontend Foundations (Week 1-3)

HTML5/CSS3: Semantic HTML, Flexbox/Grid

JavaScript ES6+: Async/Await, Destructuring

React Basics: Components, Props, State

Project: Responsive Food Delivery UI

Module 2: Advanced React (Week 4-6)

React Hooks: `useReducer`, `useContext`

React Router: Dynamic Routing, Auth Flows

State Management: Redux Toolkit

Project: E-commerce Product Catalog

Module 3: Backend with Node.js & Express (Week 7-9)

REST APIs: CRUD Operations, MVC Pattern

Middleware: JWT Authentication, Error Handling

Database Design: SQL vs NoSQL

Project: Bookstore API with User Auth

Module 4: MongoDB & Data Modeling (Week 10-12)

MongoDB Atlas: Cloud Database Setup

Mongoose: Schemas, Relationships

Aggregation: Data Pipelines

Project: Blog Platform with Comments

Module 5: Full-Stack Integration (Week 13-15)

JWT Auth: Login/Signup Flow

File Uploads: Cloudinary Integration

API Security: CORS, Rate Limiting

Project: Social Media Dashboard

Module 6: Capstone Project (Week 16-18)

Real-Time Features: Socket.IO Chat

Payment Gateway: Razorpay/Stripe

Deployment: AWS/Heroku

Demo Day: Present Full-Stack Apps

Key Outcomes:

6+ Projects (Including 1 Capstone)

Industry Skills: JWT, WebSockets, CI/CD

Portfolio-Ready Apps for Job Interviews

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