

Week 1: Web Fundamentals & React Basics

- **HTML, CSS, JS Overview**
- DOM Manipulation
- Git & GitHub Basics
- **React Introduction**
 - JSX, Components, Props, State
 - Handling Events
 - Basic Routing with React Router

□ *Mini Task:* Build a basic portfolio or to-do app in React

□ Week 2: Advanced React & Node.js

- React Hooks (useState, useEffect)
- Forms and Form Validation
- Conditional Rendering
- **Node.js & Express.js Basics**
 - Introduction to Backend
 - RESTful APIs
 - Handling routes and middleware

□ *Mini Task:* Create a Notes app with frontend (React) + backend (Express)

□ Week 3: MongoDB Integration & Authentication

- MongoDB Basics & Mongoose
- CRUD operations in MongoDB
- Connecting React with Node APIs
- **Authentication & Authorization**
 - JWT Tokens
 - Role-based Access

□ *Mini Task:* User login system with protected routes

□ Week 4: Final Project & Deployment

- Combine Frontend + Backend + Database
- Final Project: Full-stack Application (e.g., Blog, Task Manager, or eCommerce)
- Hosting:

- Frontend: Netlify/Vercel
- Backend: Render/Glitch
- MongoDB Atlas for DB