



Full Stack Development

Category: AI & Tech | Duration: 2 Months (8 Weeks)

~~Rs. 4,000~~

Rs. 2,500

You Save
Rs. 1,500

+ GST (18%) as applicable

Course Overview

A hands-on, project-based course covering both front-end and back-end web development. Learners build and deploy full-stack web applications using modern JavaScript tools, React, Node.js, and databases.

Prerequisites	Tools & Technologies
Basic computer literacy. No prior coding experience required.	HTML, CSS, JavaScript (ES6+), React, Node.js, Express, MongoDB/SQL, Git & GitHub, Postman, Vercel/Render

Curriculum

Week 1: Web Fundamentals

- HTML5 - structure, semantic tags, forms
- CSS3 - styling, Flexbox, Grid, responsive design
- Introduction to developer tools and Git/GitHub

Week 2: JavaScript Essentials

- Variables, data types, functions, ES6+ syntax
- DOM manipulation and event handling
- Asynchronous JS - promises, async/await, fetch API

Week 3: React Fundamentals

- Components, props, and JSX
- State and event handling in React
- Building a multi-page UI with React Router

Week 4: Advanced React

- React Hooks (useState, useEffect, useContext)
- Forms, validation, and component design patterns
- Consuming REST APIs from the front end

Week 5: Node.js & Express Basics

- Introduction to Node.js and the npm ecosystem
- Building REST APIs with Express
- Middleware, routing, and error handling



Week 6: Databases

- Introduction to MongoDB and SQL databases
- CRUD operations and schema design
- Connecting databases to an Express backend

Week 7: Authentication & Full-Stack Integration

- User authentication with JWT
- Connecting React frontend to Express backend
- Environment variables, API security basics

Week 8: Capstone Project & Deployment

- Build a complete full-stack application
- Deploying frontend and backend (Vercel/Render)
- Project presentation and code review

What You Will Learn

- Build responsive, modern UIs using HTML, CSS, and React
- Write clean, modular JavaScript using ES6+ features
- Design and build REST APIs using Node.js and Express
- Work with MongoDB/SQL databases for real applications
- Implement authentication and connect front end to back end
- Deploy a complete full-stack project to the cloud

To register your interest for this course, fill out the interest form on our website or contact us directly using the details below. Syllabus content is subject to minor changes to keep pace with industry updates.