

## Frontend Web Development Course Content

### Module 1: Introduction to Web Development

- Understanding Web Technologies
- Frontend Development Overview
- Setting Up Development Environment
- Introduction to Git and GitHub

### Module 2: HTML & CSS

- HTML5 Structure & Semantic Elements
- CSS3 Styling & Responsive Design
- Flexbox & Grid Layouts
- CSS Frameworks (Bootstrap, Tailwind CSS)

### Module 3: JavaScript & DOM Manipulation

- JavaScript Fundamentals
- ES6+ Features (Arrow Functions, Promises, Modules)
- DOM Manipulation & Event Handling
- AJAX & Fetch API

### Module 4: Frontend Frameworks (React.js)

- Introduction to React.js
- React Components & Props
- State Management with React Hooks
- React Router for Navigation
- API Integration & Context API

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## Module 5: Responsive & Interactive UI Design

- Advanced CSS Techniques
- Animations & Transitions
- UI/UX Best Practices
- Accessibility in Web Development

## Module 6: Deployment & Optimization

- Optimizing Frontend Performance
- Hosting with Vercel, Netlify
- SEO Best Practices
- Web Security Basics

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