CODOJO

Course Overview: Web Development

Phase 1: Front-End Web Development (Sessions 1-45)

1. HTML Basics (Sessions 1-9)

- Introduction to HTML.

-Elements, tags, and styling basics.

- Structure of website.

Sample Projects:

- Create a personal portfolio webpage.

- Build a static landing page for an e-learning platform.

2. CSS Basics (Sessions 10-18)

- Styling of website.

- graphical effect, and alignment.

-Animations and transitions.

Sample Projects:

- Build a responsive e-commerce homepage.

- Create a photo gallery with hover effects.

3. Advanced HTML & Advanced CSS (Sessions 19-28)

-HTML forms, HTML graphics and maps

- Responsive web design with media queries.

Sample Projects:

- Build responsive webpages.

- Create a photo gallery with hover effects.

4. Introduction to JavaScript (Sessions 29-42)

- Introduction to JavaScript: Variables, loops, conditional statements.

-JavaScript objects, exception handling.

-DOM manipulation and event handling.

Sample Projects:

- Develop a To do list.

- Basic Counter App Handling events and updating the UI dynamically.

5. Launching a website (Sessions 33-45)

- Introduction to GitHub.

- Web hosting.

Sample Projects:

- have to publish the code on Github account.

- Deploy a website

Phase 2: Full-Stack Web Development (Sessions 46-90)

1. Introduction to Bootstrap & Tailwind CSS (Sessions 46-51)

- Bootstrap, images & cards, forms and buttons.

- Introduction to Tailwind CSS.

Sample Projects:

- Create responsive websites with Bootstrap & Tailwind CSS.

2. JavaScript Advanced & Introduction to React (Sessions 52-62)

- ES6 features, working with APIs, fetch requests.

- OOPs in JS, Asynchronous JS.

- React Basics

Sample Projects:

- A weather app fetching data from a public API.

3. React.js Fundamentals (Sessions 61-70)

- Introduction to React: Components, props, and state.

- React hooks like `useState` and `useEffect`. -

Building reusable components.

Sample Projects:

- Create a student portal with a dashboard.

- Build a task manager app with React.

React Advanced: Routing & Deployment (Sessions 71-80)
- React Router for navigation, managing single-page applications, and deploying apps.
- error-handling, hosting webapp.

Sample Projects:
- Build a React website with multiple pages and deploy it.

Capstone Projects & Final Deployment (Sessions 81-90)
Full project cycle: Planning, designing, coding, and deploying a front-end app.

Sample Projects:
- Portfolio website, interactive blog site, or a e-commerce store using React.

The Codojo Promise

Kids who do well in coding, do much better at school!