codeZcorp

ACADEMY PRIVATE LIMITED

Frontend Development

(Certified Professional on Frontend Development)

Frontend development involves building the user interface and user experience of a website or web application using technologies like HTML, CSS, and JavaScript. It focuses on everything users see and interact with in their browser, ensuring responsive design, performance, and usability.



About
CODEZCORP

Talent is everywhere. Opportunity is not. We have working with our members and leading employers to break down barriers, ensuring firms can access the very best talent and that our graduate members have the chance to fulfill their potential. Every day we are in the unique position to connect leading businesses with our community to help them identify and engage with their next generation workforce.

Skill-Based Outcomes

- Build responsive websites using HTML, CSS, and JavaScript
- Develop interactive web apps with React
- Use Git and GitHub for version control
- Integrate APIs to fetch and display data
- Work on real-world projects

Key Learning Areas

HTML Fundamentals :-

- Introduction to HTML
- Basic structure of an HTML document
- HTML tags
- Forms
- Semantic HTML

CSS Fundamentals :-

- Introduction to CSS
- Inline, internal, and external CSS
- CSS selectors
- Box model
- Flexbox

Introduction to Tailwind CSS :-

- Installing and setting up Tailwind CSS
- Utility-first CSS
- Responsive utilities
- Handling states (hover, focus, active)

JavaScript Fundamentals :-

- Variables and Data Types
- Functions
- Control Flow (if, else, switch)
- Objects and Arrays
- Events and DOM Manipulation
- ES6+ Features

Introduction to React.js :-

- Setting up React project with Create React App
- JSX
- Functional components
- Handling events in React
- Semantic HTML

State Management in React :-

- Redux Basics
- Introduction to Redux
- Setting up Redux
- Actions, reducers, and store

Tailwind + React Integration :-

- Installing Tailwind in a React App
- Tailwind Configuration (tailwind.config.js)
- Using Utility Classes in JSX
- Conditional Styling with classnames or clsx
- Responsive Design in React with Tailwind
- Component Reusability with Tailwind
- Handling Interaction States
- Dark Mode Integration
- Production Optimization

Project

Project Title

Frontend Setup (React, UI Components) project

Deliverables

- Setup a React app with reusable UI components (like Header, Button, Card)
- Apply responsive design using Tailwind CSS or another UI framework

Career

Option's You Can Choose

- Discover Interest in Web & UI
- Build Core Frontend Skills
- Start with Real Projects
- Grow with Advanced Tools
- Expand to Full Stack or Mobile
- Build Network & Presence

FAQ'S



What is frontend development?

It's building the part of websites users see and interact with.



Do I need coding experience?

No, basic computer knowledge is enough to start.



What will I learn?

HTML, CSS, JavaScript, React, Git, and more.



Can I get a job after this?

Yes, you can apply for junior frontend roles.