Learn front-end development using React

Course Details

- **Course Name:** Front-End Development using React
- **Prerequisites:** None
- **Duration of the Course:** 204 hours
  - HTML/CSS: 20 hours
  - JavaScript: 104 hours
  - React: 60 hours
  - React Project: 20 hours
- **Course Outcome**
  - Understand HTML and CSS to create user interfaces
  - Learn JavaScript for web development
  - Build web applications with React
- **Methodology of Course Delivery**
  - Offline self-study with the BigBinary Academy curriculum
  - Online Daily Standup Calls for Knowledge Assessment
  - Projects built after each milestone
  - Proctored coding assessment for JavaScript

Course Content

Learn HTML

- Course Material: [BigBinary Academy Learn HTML Course](#)
- Course Outcome
  - Understanding the basics of HTML structure and syntax
  - Implementing all major types of HTML elements
  - Incorporating semantic HTML for enhanced accessibility and SEO

Learn CSS

- Course Material: [BigBinary Academy Learn CSS Course](#)
- Course Outcome
  - Exploring CSS fundamentals such as selectors, properties, and values.

- Styling webpages using CSS for visual enhancements and layout design.

Learn JavaScript
- Course Material: [BigBinary Academy Learn JavaScript Course](#)
- Course Outcome
  - Mastering essential JavaScript concepts including variables, functions, and data types.
  - Understanding key JavaScript concepts such as asynchronous programming, and promises.

Learn React
- Course Material: [BigBinary Academy Learn React Course](#)
- Course Outcome
  - Getting started with React fundamentals, including components, JSX, and props.
  - Building interactive user interfaces with React state management and event handling.
  - Exploring advanced React topics such as hooks, context API, and component lifecycle methods.

React Project Work
- Building a comprehensive project using React. Utilize all the knowledge accumulated from the workshop courses.
- Ensuring that the project is fully functional and responsive with an appealing frontend that maintains accessibility for all users.
- Refactoring & optimizing the codebase based on best practices & design patterns shared throughout the workshop.

Course Highlights

- Establish a solid foundation in React, mastering essential concepts for building dynamic user interfaces.
- Enhance JavaScript proficiency through practical application within React projects, reinforcing key language principles.
- Undertake hands-on projects that combine React with HTML, CSS, and JavaScript, providing real-world experience in web development.
- Gain valuable insights from industry professionals, offering practical advice and perspectives to elevate your React development skills.
- Build a final project in React using skills picked up in the workshop and vetted by the mentors. Improve the project with mentor-guided code reviews.