

Web Development in React

Syllabus

Duration: 60 Hours

1. HTML

- Introduction to HTML
- HTML Tags
- Creating Forms
- Creating tables
- Managing home page

2. CSS

- Introduction to CSS
- Three ways to use CSS
- CSS Properties
- Designing website
- Working with Templates

3. JAVA SCRIPT

- Introduction to Javascript
- Three ways to use Javascript
- Working with events
- Client-side Validation

4. Introduction to ReactJS

- History of front end libraries
- Motivation for using React
- Key differentiators (Virtual DOM, One way binding)
- Thinking in React Session

5. React Components

- React component
- Render function
- Component API
- Component lifecycle
- State
- Props
- Mixins
- JSX Session

6. React internals

- Reconciliation algorithm

7. Component inter communication

- Component composition
- Pass data from parent to child
- Pass data from child to parent

8. Component styling

- Radium
- CSS Modules
- LESS/SASS

9. Unit testing components

- Jasmine
- React test utilities

10. Performance optimizations

- PureComponentMixin
- Expensive DOM manipulations
- Performance tools

11. Major Project Work

12. Placement Assistance Sessions

- Mock Interviews
- GDs
- Preplacement Talks
- Industry Exposer Sessions

13. Internship