



- **HTML**
 - HTML Basics
 - HTML Elements
 - HTML Attributes
 - Formatting and Style
 - Links
 - List
 - Tables
 - Div
 - Form
- **CSS**
 - CSS Basics
 - Inline CSS, Internal CSS and External CSS
 - Selectors
 - Working with styles
 - Form Design
- **Java Script (ES6)**
 - Java Script Basics
 - Internal JS and External JS
 - Variable
 - Let, const
 - Object
 - String
 - Array
 - Conditional Statement
 - Looping Statement
 - JSON
 - Arrow Function
 - Spread Operator
 - Debugging
- **Bootstrap**
- **React Introduction**
 - What is React
 - Advantages of React
 - Setting up React Development Environment

- Create and Run React Application
- **Components, JSX**
 - Understanding React components
 - JSX
- **Lists and keys**
 - Rendering Lists
 - Using `.map()` to render lists of elements
 - Providing a key for each item
- **Functional vs class components, Props**
- **State, Lifecycle methods**
 - State in React components
 - Updating state
 - Component lifecycle methods
- **Hooks**
 - `useState()`
 - `useEffect()`
 - `useContext()`
 - `useMemo()`
 - `useContext()`
 - etc.
- **Event handling**
 - Event handling in React
 - Arrow functions vs. regular functions
- **Working with Forms**
 - Controlled components
 - Handling form submission
 - Form validation
- **Conditional rendering**
 - Conditional rendering with if statements
 - Ternary operators and logical `&&` in JSX
- **Styling in React**
 - CSS in React
 - Different approaches for styling (CSS, CSS-in-JS, CSS Modules)
 - Inline styles
 - Styling Libraries
 - Popular CSS frameworks (e.g., Bootstrap, Material-UI)
- **React Router**
 - Introduction to React Router
 - Setting up React Router
 - Creating routes
 - Navigating with React Router
 - Using `Link` and `NavLink`
 - Nested Routes and Dynamic Routing
 - Nested routes
 - Passing parameters to routes

- **State Management**
 - Introduction to Redux
 - Understanding the need for state management
 - Basic concepts: actions, reducers, store
 - Setting Up Redux
 - Installing Redux and setting up a store
 - Creating actions and reducers
 - Connecting React with Redux
 - Using connect to connect components to the store
 - Dispatching actions
- **MySQL**
 - Basics of MySQL
 - DDL Commands
 - Create, Alter, Drop, Rename, Truncate
 - DML Commands
 - INSERT
 - UPDATE
 - DELETE
 - Retrieve Data from Table
- **Express JS**
 - Create Rest API using Express JS
 - Working with different HTTP Methods
 - GET
 - POST
 - PUT
 - DELETE
- **API Integration**
 - AJAX and Fetch API
 - Making HTTP requests in React
 - Fetching data from an API
 - Async/Await and Promises
- **Deployment**
 - AWS EC2
 - NGINX
 - AWS S3
 - AWS RDS