JAVASCRIPT / REACT JS

3 Months Module

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JAVASCRIPT / REACT JS

Week - 1

Introduction of Javascript

- Introduction of java- script , ES6 and client side script
- Declaration syntax of java-script, statements, comments
- Pop-up boxes, alert, Confirm , Prompt
- Variables, Arrays and Operators
- Arithmetic, Assignments , Comparison , Logical

Week - 2

DOM , Conditional statements

- Functions and types , Conversion functions
- if , if...else , if...else if...else
- while , do...while, for , for...in Statements, Break, Continue
- Array Properties and Methods - 1st day
- Array Properties and Methods - 2nd day

Week - 3

Validation, State Management

- Date Object , This Object ,Event Object
- State management , Cookie
- Form Validation
- Email validation
- Expressions

Week - 4

Advanced Javascript

- What is Asynchronous , Callback functions
- Promises , Async/await ,Error Handling
- Digital Clock App using javascript
- To-Do List App using javascript
- Memory Game App using javascrript

Week - 5

Introduction of React js

- What is react js , Scope of React js
- Basics and In-depth of javascript
- Node Basics and React with Node
- Creating classes , Creating private/ global/fields
- Events

Week - 6

React Installation, basics of React

- Real DOM and Virtual Dom , React Components
- React Components
- React Components with JSX , ES6
- Installation of Node ,npm , modules
- Props and State 1st day

Week – 7

Props and state, Hooks

- Props and State 2nd day
- Creating an application using create-react-app
- Stateful and Stateless Components , Life cycle , Hooks – 1st day
- Stateful and Stateless Components , Life cycle , Hooks – 2nd day
- Debugging , default values , set-state in depth

Week –8

Validation, types of storage

- Creating forms , Creating Table with validation 1st day
- Creating forms , Creating Table with validation 2nd day
- Event Handling , Applying filters , map,forEach etc.
- Local Storage, Session Storage , Cookies
- Routing – Basic routing , Hyperlinks

Week –9

Reusable and Optimized Components

- Creating Reusable Components
- Code Reusability and Optimization 1st Day
- Code Reusability and Optimization 2nd day
- Fragments, Bundling , Deploying
- Todo List (CRUD) – Create , Read with api fetching

Week –10

CRUD operation, Open-weather Application

- Todo List (CRUD) – Delete , Update with api fetching
- Login, Logout page with validation
- Open-weather Application – 1st day
- Open-weather Application – 2nd day
- Open-weather Application – 3rd day

Week – 11 & 12

2 Weeks Industrial Training & Certifications

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