

WEB DESIGNING with REACT (Powered with AI)

(DURATION: 8 MONTHS PART TIME/ 4 MONTHS FULL TIME)

- **VS CODE/ DREAMWEAVER**
- **HTML & HTML (5.0)**
 - HTML Tags, Attributes, Headings, List, Image, Hyperlink, Frames, Form, Table
 - HTML5 Semantic Attributes, Audio Tag, Video tag, New Form Elements, Canvas
 - HTML5 SVG element, Drag and Drop API, Geolocation, HTML5 Compatibility
- **Cascading Style Sheet (CSS 3 & 5)**
 - Backgrounds, Box Model, Dimension, Pseudo-class, Pseudo-element
 - Navigation Bar Image Gallery, Image Opacity, Gradients, Shadows
 - 2D & 3D Transforms, Animations, Image Slideshow, Image Hover Overlay
 - Animation Button, Vertical tabs, Overlay effect, Rounded Corners
- **JAVASCRIPT**
 - About JavaScript and version, Variable in JavaScript, JavaScript operator
 - Condition Check (If-else statement), Switch statement
 - Loop (While Loop, Do while Loop, For Loop)
 - Function, Array, String Error Handling, Event Handling, JavaScript OOPs
 - DOM Manipulation, ES6+ Features, Asynchronous JavaScript
 - JavaScript in the Browser (Cookies, Geolocation API)
 - JavaScript Form Validation
- **JQUERY**
 - Anatomy of a jQuery Script
 - Selecting: The Core of jQuery
 - Images, Slideshows, Menus, Panels and Panes
 - Decorating: CSS with jQuery
 - Enhancing: Adding Effects with jQuery
 - Tabs, Forms, Animating, Resizing, Scrolling
 - Lists & Tables
- **BOOTSTRAP (Designing a Mobile Responsive Website)**
 - Structure of Bootstrap Application Responsive Web Design (RWD)
 - Using page headers and panels, Adding Media Objects, Thumbnails
 - Grid, Forms, Plugins, Navigation Components, Bootstrap CSS, etc.

● **REACT JS:**

➤ **Getting Started with React.js:**

- What is React.js and its benefits, Setting up the development environment
- Creating a basic React application, Understanding React components

➤ **JSX (JavaScript XML):**

- Introduction to JSX and its role in React, Writing JSX code to create UI elements
- JSX expressions and using JavaScript within JSX

➤ **Components and Props:**

- Creating functional components, Understanding class components
- Passing data to components using props, State and lifecycle methods

➤ **Handling Events:**

- Adding event handlers to components
- Understanding synthetic events, Commonly used events in React.js

➤ **Lists and Keys:**

- Rendering lists of data with React
- Using keys to optimize rendering performance

➤ **Forms and Controlled Components:**

- Creating forms with React,
- Managing form data using controlled components
- Styling in React.js:

➤ **Styling components using inline styles**

- Utilizing CSS classes and modules

➤ **React Router (for web applications):**

- Implementing client-side routing in React.js applications

➤ **State Management (introductory level):**

- Basic introduction to state management libraries like Redux or Context API

➤ **Introduction to Hooks:**

- Understanding React Hooks and their benefits
- Working with useState and useEffect

➤ **Deploying React.js Applications:**

- Preparing the app for deployment
- Hosting options for React.js applications

Use of AI in Web Designing (ChatGPT etc)

LIVE PROJECT
(DESIGNING A WEBSITE)

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