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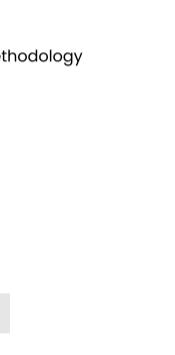
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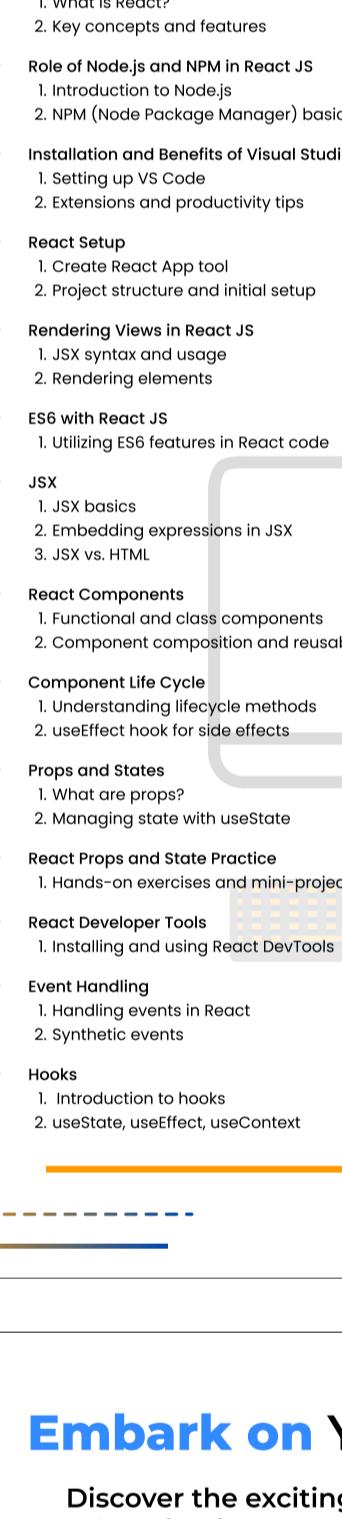
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Shop 5 & 6, S Building Dhruv Darshan society, near PCCOE College



Front-End Development

COURSE CONTENTS



Front-End

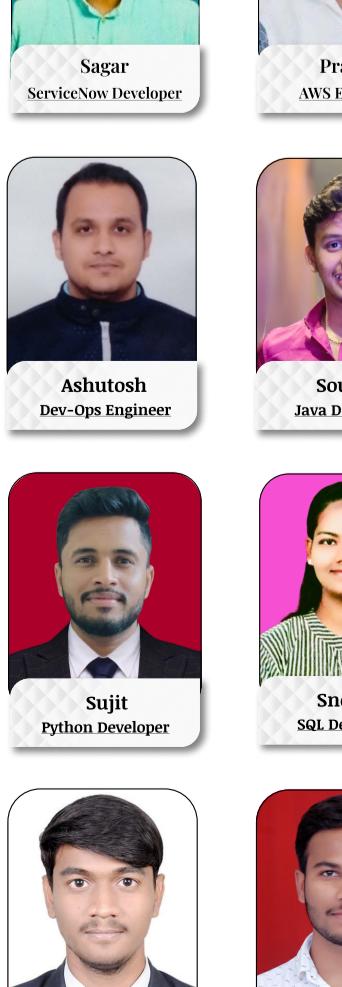
- HTML (HyperText Markup Language)
- CSS (Cascading Style Sheets)
- JavaScript
- React
- React Project

- Advanced CSS
 - Animations and transitions
 - Pseudo-classes and pseudo-elements
 - CSS preprocessors (SASS/SCSS)
- Best Practices
 - BEM (Block Element Modifier) methodology
 - Modular and reusable CSS
- JavaScript
 - Introduction To JavaScript
 - What is JavaScript?
 - Embedding JavaScript in HTML
 - Basic Syntax And Operators
 - Control Structures
 - Conditional statements
 - Loops (for, while, do-while)
 - Functions
 - Function declaration and expressions
 - Arrow functions
 - Scope and closures .
 - DOM Manipulation
 - Selecting and manipulating DOM elements
 - Event listeners and handling events
 - Advanced JavaScript
 - Objects and arrays
 - ES6 features
 - let, const, template literals, destructuring
 - Promises and async/await
 - APIs and AJAX
 - Fetch API
 - JSON handling
 - Making HTTP requests
 - Best Practices
 - Writing clean and efficient code
 - Debugging and error handling
 - Introduction to modern JavaScript frameworks and libraries

React Project

- Project Planning
 - Defining Project Scope And Requirements
 - Creating Wireframes And Mockups
- Setup and Initial Development
 - Initializing a new React project
 - Setting up a version control system (Git)
- Building Components
 - Creating and organizing components
 - Implementing state management
- API Integration
 - Fetching data from APIs
 - Handling asynchronous operations
- Routing And Navigation
 - Implementing Navigation With React Router
- Styling the Application
 - Applying responsive design principles
 - Using CSS or styled-components for styling
- Testing and Debugging
 - Writing unit tests for components
 - Debugging and fixing issues
- Final Touches and Deployment
 - Performance optimization
 - Deploying the application to a hosting service

01



- React Router
 - Setting Up React Router
 - Route, Link, Switch Components
- Communicating Between Components in React
 - Prop drilling
 - Context API
- Styling in React JS
 - Inline styling
 - CSS modules
 - Styled-components
- Redux
 - Introduction to Redux
 - Setting up Redux in a React app
 - Actions, reducers, store, and dispatch
- Unit Testing
 - Introduction to unit testing
 - Testing components with Jest and React Testing Library
- React Project
 - Project Planning
 - Defining Project Scope And Requirements
 - Creating Wireframes And Mockups
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02

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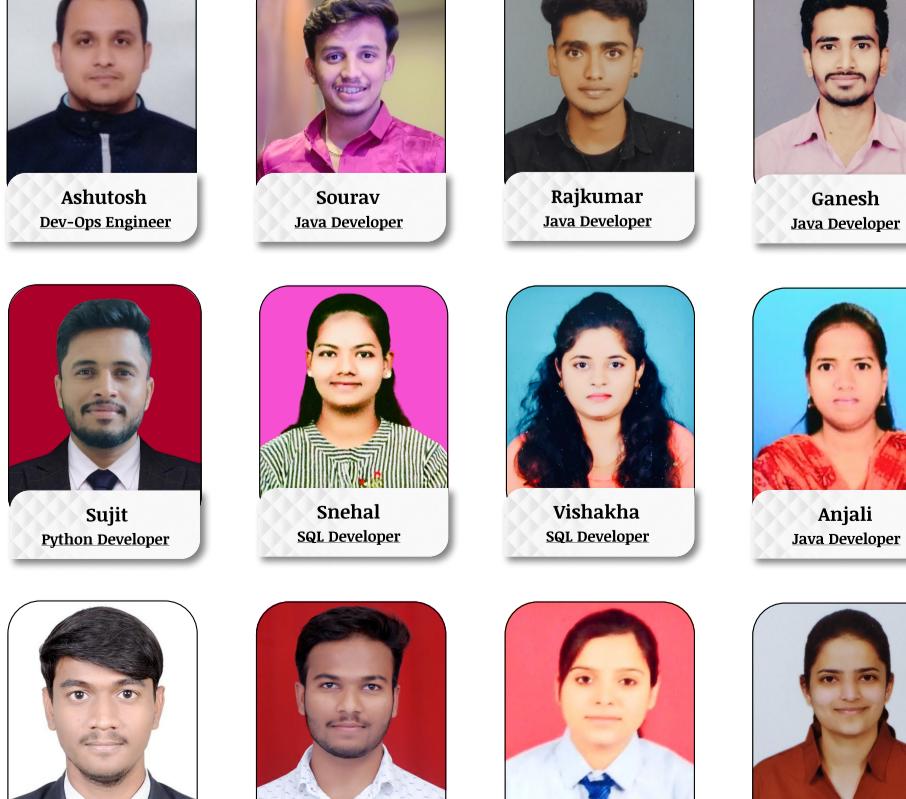
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Mock Interview Sessions

05

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