

REACT JS

COURSE CURRICULUM



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REACT.JS

ROAD MAP

Become a professional frontend developer using React.js and modern JavaScript practices.

CAREER PATH

- Frontend Developer
- React Developer
- Full Stack Developer
- UI Developer

COURSE CONTENT

Module 1: Introduction

- What is React?
- Virtual DOM
- Setup Environment
- Create React App
- React Template & Scratch Coding

Module 2: JavaScript Essentials

- var vs let vs const
- Arrow functions, Objects, Destructuring
- Array methods: map, filter
- Spread & Ternary Operators
- Modules and Exports

Module 3: React Basics

I N F O T E K H

- JSX & Babel
- Components & Props
- State Management with useState
- Event Handling
- Forms with useRef and useState
- React Hook Form and Validation

Module 4: Routing

- Single Page Application Setup
- Nested Routing, Route Params
- Query Strings
- Programmatic Navigation

Module 5: API & Side Effects

- Calling APIs using axios
- Error Handling & Loading Indicators
- useEffect & Dependencies
- Async/Await, Custom Hooks

Module 6: Authentication

- Register/Login APIs
- JWT Token Storage
- Protected Routes
- Logout & Role-based Access

Module 7: Cart & Checkout

- Add to Cart, Update Quantity
- Remove Item
- Checkout Flow
- useContext for State Sharing

Module 8: Advanced React

- useMemo, useCallback, useReducer
- Performance Optimization

Module 9: React Query

- Setup and DevTools
- Data Fetching with useQuery
- useMutation for Add/Update/Delete
- Infinite Scrolling & Pagination
- Optimistic Updates
- Caching & Custom Hooks

Module 10: Deployment

- MongoDB Cloud Setup
- Backend Deployment
- Frontend Deployment
- Upload Projects to GitHub

Thank you



Thank You for Going Through React Js Curriculum
We hope this guide has provided a clear and structured learning path to strengthen your skills in React Js.

✦ NEXT STEPS

- Start practicing with real-world use cases and hands-on exercises
- Build personal or client-based projects for your portfolio
- Keep exploring updates and best practices in the industry
- Join discussions and stay connected with the community

☎ **Need Help or Guidance?**

Feel free to contact our course support team:
Course Coordinator

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