REACT SYLLABUS

JavaScript for React (FOUNDATION 🔥)

- ES6+ Basics
- let / const
- Arrow Functions
- Template Literals
- Destructuring
- Spread & Rest Operators
- Array Methods (map, filter, reduce)
- Modules & Imports

React Setup & Project Structure

- Node.js & npm basics
- Create React App
- Vite Setup
- Project Folder Structure
- Running First React App

REACT SYLLABUS

JSX & Components (CORE 🔥)

- JSX Syntax
- Functional Components
- Class Components (Basics)
- Component Reusability
- Props
- Default Props

State & Events

- useState Hook
- Handling Events
- Conditional Rendering
- Lifting State Up

React Hooks (VERY IMPORTANT 🔥)

- useEffect
- useContext
- useRef
- useMemo
- useCallback
- Custom Hooks

REACT SYLLABUS

Forms & Controlled Components

- Controlled vs Uncontrolled Components
- Form Validation
- Handling Multiple Inputs

Routing & Navigation

Using React Router
- BrowserRouter
- Routes & Route
- useParams
- useNavigate
- Protected Routes

API Integration

- REST API Basics
- Fetch API
- Axios
- Async / Await
- Error Handling
- Loading States

REACT SYLLABUS

State Management (ADVANCED)

- Context API
- Redux Basics
- Redux Toolkit
- Global State vs Local State