React Learning Roadmap - Beginner to Advanced

01_Day - Basics Start

1. What is React?

2. Setting up React using Vite

3. Folder Structure in React

4. Introduction to JSX

02_Day - Components

1. Functional Components

2. Class Components

3. Props

4. Children Props

5. Reusability of Components

03_Day - JSX + Rendering

1. Embedding JavaScript in JSX

2. Conditional Rendering

3. List Rendering using map(), Using Keys in Lists

04_Day - useState + State Handling

1. Syntax of useState

2. Handling Form Inputs

3. Dynamically Updating State

4. Conditional UI using State

05_Day - Events in React

1. Events

2. Events Object in React

3. Functions & Arrow Functions

06_Day - useEffect & API Calls

1. Fetching APIs using fetch or axios

2. useEffect on Component Mount

3. Dependency Array

4. Cleanup Functions

07_Day - Controlled Forms

1. Controlled Inputs

2. Handling Multiple Fields

3. Form Submission

4. Form Validation

5. Reset Form

08_Day - React Router

1. Installation & Setup

2. Components: BrowserRouter, Routes, Route

3. useNavigate, useParams

4. Link and NavLink for Routing

React Hooks (Advanced)

- What is a Hook?

- useState

- useEffect

- useContext

- useRef

- useReducer

- useCallback

- useMemo

- Custom Hooks