React.js Developer 2-Month Study Plan (2 Hours/Day)

Week 1: JavaScript Essentials for React

- Variables, Data Types, Functions - 1 day

- Arrays, Objects - 1 day

- DOM & Events - 1 day

- ES6+ Features (let/const, arrow functions, spread/rest, destructuring) - 1 day

- Promises, async/await, fetch API - 1 day

- Mini practice project (e.g., To-do list using plain JS) - Weekend

Week 2: React Basics

- Introduction to React, JSX, Create React App - 1 day

- Functional Components, Props - 1 day

- State & useState - 1 day

- Event Handling & Conditional Rendering - 1 day

- Lists and Keys, Forms - 1 day

- Small project (e.g., Feedback App) - Weekend

Week 3: React Routing and useEffect

- React Router (v6), Routing basics - 1 day

- Dynamic Routing & Params - 1 day

- useEffect Hook, Lifecycle concepts - 1 day

- Fetching API data with useEffect - 1 day

- Conditional Fetching & Loading UI - 1 day

- Mini project with routing & data fetch - Weekend

Week 4: State Management

- Props drilling vs Context API - 1 day

- useContext Hook - 1 day

- useReducer Hook - 1 day

- Lifting state up - 1 day

- Form validation (basic) - 1 day

- Medium project (User Directory / Notes App) - Weekend

Week 5: Advanced React & Hooks

- useMemo, useCallback - 1 day

- Custom Hooks - 1 day

- Error Boundaries - 1 day

- Ref and useRef - 1 day

- React performance optimizations - 1 day

- Medium project using advanced hooks - Weekend

Week 6: Ecosystem Tools & Testing

- State Libraries (Redux or Zustand - pick one) - 2 days

- React DevTools & Debugging - 1 day

- Testing with Jest & React Testing Library - 2 days

- Add tests to previous project - Weekend

Week 7: Deployment & Real-World Practices

- Responsive Design with CSS/Styled-components/Tailwind - 1 day

- Building for production, code splitting - 1 day

- Hosting with Vercel / Netlify / GitHub Pages - 1 day

- Git & GitHub Basics - 1 day

- CI/CD Basics (optional) - 1 day

- Prepare & Deploy full app - Weekend

Week 8: Capstone Project

- Choose project (e.g., Blog App, Task Manager, Movie DB) - Full week

- Use routing, API, hooks, custom components, context or redux

- Use GitHub to commit code, deploy it, and write a good README

Optional (Week 9-10): Deepening + Interviews

- Practice React interview questions

- Learn TypeScript with React (basics)

- Start learning Next.js