

1-Month Roadmap to Learn React (Including JavaScript)

Week 1: Mastering JavaScript Fundamentals

Day 1-2: Basics

- Variables (let, const, var)
- Data types
- Type coercion
- if, else, switch
- Loops (for, while, for...of, for...in)

Day 3-4: Functions & Arrays

- Function types
- Array methods (map, filter, reduce, etc.)
- Spread/rest, destructuring

Day 5: Objects & ES6+

- Object literals, nested
- this, bind, call, apply
- ES6 features

Day 6: DOM & Events

- querySelector, addEventListener
- Event bubbling
- Mini Project: To-Do List

Day 7: JSON, Async & Fetch

- JSON.parse, stringify
- Promises, async/await
- Fetch from dummy API

Week 2: React Basics

Day 8: React Intro & Setup

- What is React, SPA
- create-react-app/Vite
- JSX syntax

Day 9-10: Components

- Functional components

- Props, useState
- Conditional rendering, event handling

Day 11: Forms

- Controlled components
- Form handling with useState

Day 12: Lists & Keys

- Rendering lists
- Key prop importance

Day 13: Project

- Task Manager or Notes App

Day 14: Recap & Practice

Week 3: React Intermediate

Day 15-16: useEffect Hook

- Data fetching
- Dependency array
- Cleanup functions

Day 17: useRef & useMemo

- DOM references
- useMemo for optimization

Day 18-19: React Routing

- react-router-dom
- Routes, Link, useNavigate
- Dynamic routes

Day 20: Navigation

- Programmatic navigation
- Nested routes, 404 page

Day 21: Mini Project

- Blog/Product/User directory

Week 4: Advanced Concepts & Project

Day 22: Global State

- Context API
- useContext examples

Day 23: Custom Hooks

- Create useToggle, useFetch, etc.

Day 24: Error Handling & Optimization

- Error boundaries
- Lazy loading with Suspense

Day 25-26: Deployment

- Build & deploy (Netlify, Vercel)

Day 27-30: Final Capstone Project

- E-commerce, Expense Tracker, Weather App, etc.
- Includes Routing, API, Deployment