

JavaScript & React Roadmap (Apr 11 - May 29)

JavaScript Basics (Apr 11 - Apr 17)

- Variables: var, let, const
- Data Types in JS
- Operators and Expressions
- Conditionals: if, else, switch
- Loops: for, while, do-while, for...in, for...of
- Functions: declarations, expressions, arrow
- Scope, Block Scope, Hoisting, TDZ

JavaScript Intermediate (Apr 18 - Apr 24)

- Arrays & Methods (map, filter, reduce, etc.)
- Objects & Object Methods
- DOM Manipulation
- Events in JavaScript
- ES6+ Features (Destructuring, Spread, Rest)
- Template Literals & Ternary Operators

JavaScript Advanced (Apr 25 - Apr 30)

- Asynchronous JavaScript: setTimeout, setInterval, Callbacks
- Promises & async/await
- Working with JSON & APIs (fetch)
- Closures & Higher Order Functions
- Event Loop, Call Stack, Execution Context

React Core (May 1 - May 7)

- Introduction to React & Setting Up Project
- JSX Syntax & Component Structure
- Functional Components
- Props & State
- Conditional Rendering
- Event Handling

- Lists & Keys

React Intermediate (May 8 - May 14)

- useState & useEffect Hooks
- Handling Forms in React
- Lifting State Up
- Component Reusability
- Routing using react-router-dom

React Projects & Extras (May 15 - May 21)

- Project 1: ToDo App
- Project 2: Weather or Blog App
- Fetching APIs with useEffect
- useContext for State Management
- Custom Hooks (basic intro)
- Intro to Redux (optional)

Revision & Interview Prep (May 22 - May 29)

- Revise JS Core Concepts (scope, hoisting, closures)
- React Hooks Revision (useState, useEffect, useContext)
- Solve Coding Questions (Leetcode/Easy-Medium)
- Mock Interview Practice
- Portfolio and Resume Polishing
- Deploy Projects to GitHub + Netlify/Vercel