3-Month Front-End Development Roadmap (HTML, CSS, JS + React.js)

Month 1 – HTML, CSS, JavaScript Basics

Week 1: HTML + CSS Basics

Day	Topic
Day 1	Introduction to HTML – Structure, Tags, Basic Elements
Day 2	Forms, Inputs, Tables, Lists, Media
Day 3	CSS Basics – Selectors, Colors, Fonts
Day 4	Box Model (Margin, Padding, Border)
Day 5	Flexbox & Grid Layout
Day 6	Responsive Design (Media Queries)
Day 7	Mini Project: Responsive Portfolio Page

Week 2: Advanced CSS + JavaScript Basics

Day	Topic
Day 8	CSS Transitions & Animations
Day 9	Pseudo-classes & Pseudo-elements
Day 10	JavaScript Basics – Variables, Data Types, Operators
Day 11	Functions, Conditions, Loops
Day 12	Arrays & Objects
Day 13	DOM Manipulation Basics
Day 14	Mini Project: Interactive To-Do List

Week 3: Advanced JavaScript

Day	Topic
Day 15	Event Handling & Form Validation
Day 16	ES6 Features (let/const, arrow functions, spread/rest)
Day 17	Callbacks, Promises, Async/Await
Day 18	LocalStorage & SessionStorage
Day 19	Fetch API & JSON
Day 20	Mini Project: Weather App (API)
Day 21	Review & Practice

Week 4: JavaScript Deep Dive

Day	Topic
Day 22	Array Methods (map, filter, reduce)
Day 23	Functions – Higher Order & Closures
Day 24	Object-Oriented JS (Classes, Prototypes)
Day 25	Error Handling & Try/Catch
Day 26	Modules (import/export)
Day 27	Async Patterns (chaining, error handling)
Day 28	Mini Project: Quiz App

Month 2 – React Fundamentals

Week 5: Introduction to React

Day	Topic
Day 29	What is React? Setup (Vite/CRA)
Day 30	JSX & Functional Components
Day 31	Props in React
Day 32	State (useState)
Day 33	Rendering Elements
Day 34	Conditional Rendering
Day 35	Mini Project: Counter + Greeting Card

Week 6: Core React Concepts

Day	Topic
Day 36	Lists & Keys
Day 37	Event Handling in React
Day 38	useEffect Hook
Day 39	useContext Hook
Day 40	useRef Hook
Day 41	Mini Project: Notes App with Context
Day 42	Review & Practice

Week 7: Styling in React

Day	Topic
Day 43	Inline Styling & CSS Modules
Day 44	Styled Components
Day 45	Tailwind CSS with React
Day 46	Bootstrap with React
Day 47	Material UI / Shadcn UI
Day 48	Mini Project: Styled Portfolio App
Day 49	Review & Practice

Week 8: Forms in React

Day	Topic
Day 50	Controlled Components
Day 51	Uncontrolled Components
Day 52	Form Validation (manual)
Day 53	React Hook Form
Day 54	Formik Basics
Day 55	Mini Project: Login + Signup Form
Day 56	Review & Practice

Month 3 – Advanced React

Week 9: Routing & State Management

Day	Topic
Day 57	React Router Basics
Day 58	Dynamic & Nested Routes
Day 59	Protected Routes (Authentication)
Day 60	Prop Drilling & Context API
Day 61	Redux Toolkit Basics
Day 62	Redux Thunk & Saga
Day 63	Mini Project: Blog App with Authentication

Week 10: APIs & Performance

Day	Topic
Day 64	Fetch API & Axios in React
Day 65	Handling Async Data (loading, error, success states)
Day 66	React Query / TanStack Query
Day 67	Performance Optimization – React.memo
Day 68	useMemo & useCallback
Day 69	Code Splitting & Lazy Loading
Day 70	Mini Project: Movie Search App (API + Optimized)

Week 11: Advanced Patterns + TypeScript

Day	Topic
Day 71	Advanced Patterns – HOC
Day 72	Render Props Pattern
Day 73	Compound Components Pattern
Day 74	Context + Reducer Pattern
Day 75	TypeScript with React – Props & State
Day 76	Typing Hooks (useState, useReducer)
Day 77	Mini Project: TypeScript + React Dashboard

Week 12: Testing, Security & Deployment

Day	Topic
Day 78	Testing – Jest (Unit Tests)
Day 79	React Testing Library
Day 80	Snapshot Testing
Day 81	E2E Testing (Cypress / Playwright)
Day 82	React Best Practices (Folder Structure, Error Boundaries, ESLint & Prettier)
Day 83	React Security (XSS, JWT, OAuth)
Day 84	Deployment (Vercel, Netlify, GitHub Pages, CI/CD) Final Project: Build & Deploy E-commerce App / Chat App