

# React.js Roadmap

## React.js Roadmap

### 1. Prerequisites

- HTML, CSS (Flexbox, Grid, Media Queries)
- JavaScript (ES6+): Arrow functions, Destructuring, Promises, etc.

### 2. React Basics

- What is React?
- JSX, Components, Props, State
- useState, useEffect, useRef, useContext

### 3. Intermediate React

- Component patterns, Routing with React Router
- Forms & Form Validation (Formik, React Hook Form)
- useEffect dependencies and cleanup

### 4. Advanced React

- useReducer, useMemo, useCallback, useLayoutEffect
- Custom Hooks
- Context API, Redux Toolkit, Zustand

### 5. Styling

- CSS Modules, Styled Components, Tailwind CSS

### 6. Testing

- Jest, React Testing Library, Cypress

### 7. Tools & Ecosystem

- React DevTools, ESLint + Prettier
- Vite / CRA / Next.js, Git, Deployment (Netlify, Vercel)

### 8. Bonus Topics

- SSR (Next.js), TypeScript, PWA, Auth, GraphQL, Firebase

### Tips:

- Build projects (Todo App, Blog, Weather App)
- Refer to official React docs and community tutorials