Core Knowledge (Must Know)

These are the foundations of frontend development:

HTML (HyperText Markup Language)

Structure of web pages (headings, paragraphs, links, forms)

CSS (Cascading Style Sheets)

Styling web pages (colors, layout, fonts, animations, media queries)

Responsive Design (using Flexbox, Grid)

JavaScript

Adds interactivity (clicks, sliders, forms, API calls)

DOM Manipulation (changing page content using JS)

ES6+ features (let/const, arrow functions, promises, etc.)

✅ Advanced JavaScript Concepts

Fetch API / Axios (for data fetching)

Async/Await

Events & Event Handling

Local Storage / Session Storage

Modules and Components

Debouncing, Throttling

✅ Frontend Framework/Library (Pick one to start)

Most companies expect you to know one:

React.js (most popular)

Angular used in some large-scale apps)

Vue.js (lightweight and easy to learn)

👉 React.js is highly recommended if you're learning in 2025.

✅ Tools & Technologies

These help you write clean, efficient, and maintainable code:

Tool/Technology Purpose

Git & GitHub Version control

VS Code Code editor

NPM/Yarn Manage JS packages

Webpack/Vite Bundling tools

ESLint + Prettier Code formatting & linting

Responsive Design Mobile-first approach

✅ UI Libraries & Styling Tools

Bootstrap / Tailwind CSS (for faster design)

Material UI (for React-based UI components)

✅ Optional but Good to Learn

TypeScript (JavaScript with types – used in many React projects)

API Integration (REST APIs, sometimes GraphQL)

Basic SEO

Accessibility (a11y) standards