

HTML & CSS Topics to Cover

HTML Topics

1. Basics

- What is HTML?
- HTML Syntax & Structure
- HTML Elements & Tags
- Attributes & Global Attributes
- Semantic HTML

2. Essential Tags

- Headings (<h1> - <h6>)
- Paragraphs (<p>)
- Lists (, ,)
- Links (<a>)
- Images ()
- Tables (<table>, <tr>, <td>, <th>)
- Forms (<form>, <input>, <button>, <select>, <textarea>)

3. Advanced HTML

- HTML Entities
- HTML5 Audio & Video (<audio>, <video>)
- Forms & Input Types
- HTML5 Semantic Elements (<article>, <section>, <nav>, <header>, <footer>)
- Meta Tags & SEO Basics
- Accessibility (ARIA attributes)

CSS Topics

1. Basics

- What is CSS?
- CSS Syntax & Selectors
- Inline, Internal & External CSS
- Colors & Backgrounds

2. Selectors & Specificity

- Class, ID & Element Selectors
- Grouping & Nesting Selectors
- Pseudo-classes (:hover, :nth-child)
- Pseudo-elements (::before, ::after)
- Attribute Selectors
- CSS Specificity & Inheritance

3. Box Model & Layout

- Box Model (Margin, Padding, Border)
- Display (block, inline, flex, grid)
- Position (static, relative, absolute, fixed, sticky)
- Z-index & Stacking Order

4. Flexbox & Grid

- Flexbox (Justify-content, Align-items, Flex-wrap)
- CSS Grid (Grid-template-rows, Grid-template-columns, Gap, Auto-fit)

5. Styling & Effects

- Borders & Shadows
- Text & Font Styling

- Transitions & Animations
- Transform (rotate, scale, translate)
- Filters & Blending Modes

6. Advanced CSS

- Media Queries & Responsive Design
- CSS Variables (--primary-color)
- CSS Preprocessors (SCSS, SASS)
- CSS Frameworks (Bootstrap, Tailwind)
- Dark Mode & Theme Switching

Bonus Topics

- HTML5 Forms with Validation
- CSS Best Practices
- Browser Developer Tools
- Performance Optimization