Mini Project Report - 01

Master of Computer Application – General
Semester – I

Sub: Front-End Frameworks and Technologies

Topic: Resume HTML
By
Name: Lingesh kumar M
Reg no.: PROV/ASAC/MCA/7/25/066

Faculty Name: VEERA RAGHAV K

Faculty Signature: _____

Department of Computer Application
Alliance University
Chandapura - Anekal Main Road, Anekal
Bengaluru - 562 106
Sepetember 2025

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Introduction

HTML (HyperText Markup Language)

- **HTML is the foundation of every webpage. It was first developed by Tim Berners-Lee in 1991 as a way to share and link documents on the World Wide Web.**

- **It provides the structure and meaning of web content. For example, a heading, a paragraph, an image, or a link is all defined in HTML.**

- **HTML uses tags enclosed in < >. Most tags come in pairs:**

  - **Opening tag: <p>**

  - **Closing tag: </p>**

- **Tags are organized in a tree-like structure called the DOM (Document Object Model).**

- **The main parts of an HTML document are:**

1. **<!DOCTYPE html> → Defines the type of document (HTML5).**

2. **<html> → Root element of the page.**

3. **<head> → Contains metadata, title, styles, and links.**

4. **<body> → Contains all the visible content of the webpage.**

CSS (Cascading Style Sheets)

- **CSS was introduced in 1996 by the W3C to separate content (HTML) from design (style).**

- **It defines how HTML elements are displayed on the screen, on paper, or on different devices.**

- **CSS follows the principle of "Separation of Concerns":**

  - **HTML = Structure**

  - **CSS = Presentation**

- **Ways to apply CSS:**

1. **Inline CSS → Inside the tag using style="".**

2. **Internal CSS → Inside <style> within <head>.**

3. **External CSS → In a separate .css file linked with <link>.**

- **CSS follows a cascading priority system:**

1. **Browser default**

2. **External stylesheet**

3. **Internal stylesheet**

4. **Inline styles (highest priority)**

Relationship Between HTML & CSS

- **HTML provides the content and structure, while CSS adds style and layout.**

- **Example:**

<html>

<head>

  <style>

   h1 { color: blue; text-align: center; }

   p { font-size: 18px; color: gray; }

  </style>

</head>

<body>

  <h1>My Resume</h1>

  <p>Hello! I am a web developer.</p>

</body>

</html>

Here:

- **HTML says: "There's a heading and a paragraph."**

- **CSS says: "Make the heading blue and center it. Make the paragraph gray and larger."**

Importance of HTML & CSS in Web Development

- **HTML and CSS are the core building blocks of web development.**

- **They are essential for:**

    - **Creating static web pages (resumes, portfolios, blogs).**

    - **Designing modern, responsive websites (e-commerce, apps, dashboards).**

    - **Ensuring cross-platform compatibility (desktop, tablet, mobile).**

- **Every web technology (like JavaScript frameworks or backend systems) starts with HTML & CSS at the base.**

Input Code:

```html
<html>
<head>
  <title>Resume</title>
  <link rel="icon" href="./pexels-mikebirdy-170811.jpg">
  <style>
    h1{
      text-align: center;
    }
    div{
      border : 2px solid black
    }
    h3{
      padding-left: 15px;
    }
    h2{
      padding-left: 10px;
    }
    p{
      padding-left: 15px;
    }
    span{
      color: rgb(60, 60, 137);
    }
    li{
      padding-bottom: 10px;

    }
```

```
        </style>


</head>

<body>

    <div>

    <h1 >RESUME</h1><hr>

    <h3 >Name:<span> LINGESH KUMAR M</span></h3>

    <h3 >Email: <span> lingeshkumar400@gmail.com</span></h3>

    <h3>phn:<span>+919611074891</span></h3><hr>

    <h2><u>About Me:</u></h2>

<p>Motivated and detail-oriented student with a strong interest in web and app
development. Skilled in HTML, CSS, JavaScript, and backend frameworks like Node.js
and Flask. Quick learner with hands-on project experience in building e-commerce
websites and chatbot applications. Looking for opportunities to apply my technical
skills and grow as a full-stack develope</p><hr>

    <h2><u>Education Qulification:</u></h2>

    <p>(BCA) Bangalore University 2025


<p>Higher Secondary (Class XII – CBSE)

Sri Chaitanya, Bangalore

Year of Passing: 2022

</p>

<p>Secondary (Class X – ICSE)

St. Ann's High School, Bangalore

Year of Passing: 2020</p>

 <h2><u>Technical Skills:</u></h2>

 <ul>

    <li>Programming Languages: HTML, CSS, JavaScript, Python</li>

    <li>Web Development: Frontend (HTML, CSS, JavaScript)</li>

    <li>Database Management: MySQL</li>
```

Version Control: GitHub

<hr>

<h2><u>Projects:</u></h2>

  <p>E-Commerce Website (2025)

Developed a sustainable clothing e-commerce website using HTML, CSS, JavaScript, with features like product listing, shopping cart, checkout page, and responsive design.

</p>

<p>

Calorie Check Bot (2025)

Built a chatbot application using Node.js (Express) for calorie tracking. Supports multiple users with account login, food database lookup, and daily calorie summary</p>

</p><hr>

<h2><u>Certifications:</u></h2>

<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Debitis corrupti aspernatur id, aperiam nemo amet qui ratione eius ipsum deserunt quod beatae nam sed quaerat iusto eos perspiciatis provident doloremque.</p>

<p>Data:_____</p>

<p>Place:_____</p>

</div>

</body>

</html>

Output:

RESUME

Name: LINGESH KUMAR M

Email: lingeshkumar400@gmail.com

phn: +919611074891

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Motivated and detail-oriented student with a strong interest in web and app development. Skilled in HTML, CSS, JavaScript, and backend frameworks like Node.js and Flask. Quick learner with hands-on project experience in building e-commerce websites and chatbot applications. Looking for opportunities to apply my technical skills and grow as a full-stack develope

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Certifications:

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Debitis corrupti aspernatur id, aperiam nemo amet qui ratione eius ipsum deserunt quod beatae nam sed quaerat iusto eos perspiciatis provident doloremque.

Data:_____

Place:_____

Conclusion:

HTML and CSS together form the backbone of web development.

- **HTML defines the structure and organizes the content of a webpage, ensuring that information is properly presented and accessible.**

- **CSS enhances the visual appearance by adding design, style, and responsiveness, making webpages more attractive and user-friendly.**

Without HTML, there would be no content, and without CSS, that content would appear plain and unstyled. Their combined use creates webpages that are both functional and visually engaging.

In today's digital era, mastering HTML and CSS is essential for anyone aspiring to become a web developer, as they are the first step towards building interactive, responsive, and professional websites.