LABORATORY REPORT

Application Development Lab
(CS33002)

B.Tech Program in ECSc

Submitted By

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(Deemed to be University)
Bhubaneswar, India

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Experiment Number	1
Experiment Title	Build a Resume using HTML/CSS
Date of Experiment	07|01|2025
Date of Submission	08|01|2025

1. **Objective:-**
   - To design and develop a professional resume using HTML and CSS.

2. **Procedure:- (Steps Followed)**
   - Open a new project folder and create an `index.html` file for the structure of your resume.
   - Write HTML code for sections: Header (Name, Photo, Contact), Skills, Projects, Work Experience, and Education.
   - Add hyperlinks to LinkedIn, GitHub, and other online portfolios.
   - Use CSS to apply design elements for proper alignment, spacing, and colors.
   - Make the layout responsive using Flexbox or Grid.
   - Integrate images and video links as required.
   - Test the design across devices.

3. **Code:-**

Index.html file:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
          <meta    name="viewport"    content="width=device-width,
initial-scale=1.0" />
    <title>Resume</title>
    <link

href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/c
ss/all.min.css"
      rel="stylesheet"
    />
    <link
```

```html
href="https://cdn.jsdelivr.net/gh/devicons/devicon@v2.15.1/devico
n.min.css"
      rel="stylesheet"
    />
    <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
    <div class="resume">
      <div class="header">
        <div class="header-content">
          <img

src="https://media.licdn.com/dms/image/v2/D5603AQG6wW6sk2yEPw/pro
file-displayphoto-shrink_800_800/profile-displayphoto-shrink_800_
800/0/1690741429138?e=1741824000&v=beta&t=1xAsaw7R_IYaFKPIxBMpqs7
Lf9102-2nCswOVl71N2A"
            alt="profile photo"
            class="profile-photo"
          />
          <h1>Sahil Kumar</h1>
        </div>
        <div class="contact-info">
                    <p><i  class="fa-solid  fa-envelope"></i>
sk015221@gmail.com</p>
          <p><i class="fa-solid fa-phone"></i> +91 7368970803</p>
           <p><i class="fa-solid fa-location-dot"></i> Jamshedpur,
Jharkhand</p>
          <p>
            <i class="fa-brands fa-linkedin"></i>
                  <a  href="https://linkedin.com/in/sahi1l-kumar"
target="_blank"
              >LinkedIn</a
              >
          </p>
          <p>
            <i class="fa-brands fa-github"></i>
                      <a  href="https://github.com/Sahi1l-Kumar"
target="_blank">Github</a>
          </p>
        </div>
      </div>
```

```html
<div class="section">
  <h2 class="section-title">
    <i class="fa-solid fa-user"></i>Professional Summary
  </h2>
  <p>
      I am a dedicated software engineering student with a
passion for
      open-source development and community-driven projects.
Beyond coding,
        I enjoy immersing myself in music, spending quality
time with friends,
      listening to podcasts, and indulging in a good book.
  </p>
</div>

<div class="section">
  <h2 class="section-title">
    <i class="fa-solid fa-briefcase"></i>Work Experience
  </h2>
  <div class="job">
    <div class="job-title">Open Source Contributor</div>
                <div class="job-company">The Palisadoes
Foundation</div>
    <div class="job-date">Feb 2024 - May 2024</div>
    <div class="job-description">
      Led the development of a core feature in the platform
regarding
        membership requests. Redesigned a lot of interfaces
and wrote unit
      tests for each of them.
    </div>
  </div>
</div>

<div class="section">
  <h2 class="section-title">
    <i class="fa-solid fa-diagram-project"></i>Projects
  </h2>
  <div class="project">
    <div class="project-title">
        <a href="https://github.com/Sahi1l-Kumar/QueryHive"
target="_blank"
        >Query Hive</a
```

```
          >
        </div>
        <div class="project-description">
          <p>
                QueryHive - community-driven platform inspired by
StackOverflow,
                 enhanced with AI-powered answers, gamification,
recommendations,
              and more.
          </p>
          <br />
          <p>
                The project uses MongoDB for a robust database
layer, NextAuth
                  (Auth.js) for versatile authentication options
(Email/Password,
              GitHub, Google), and sleek styling with TailwindCSS
and ShadCN UI.
              QueryHive enables developers to ask questions, post
answers,
               leverage AI for responses, vote, organize content,
contribute,
                discover jobs, and explore recommended topics—all
while engaging
              with gamified elements like badges and rewards.
          </p>
        </div>
      </div>
    </div>

    <div class="section">
      <h2 class="section-title">
        <i class="fa-solid fa-graduation-cap"></i>Education
      </h2>
      <div class="job">
        <div class="job-title">
            Bachelor of Technology in Electronics and Computer
Science
          Engineering
        </div>
        <div class="job-company">
          Kalinga Institute of Industrial Technology
        </div>
```

```html
          <div class="job-date">2022 - 2026</div>
        </div>
      </div>

      <div class="section">
                <h2  class="section-title"><i  class="fa-solid
fa-wrench"></i>Skills</h2>
        <div class="skills" id="skills"></div>
      </div>
    </div>

    <script type="module">
      import { skillIcons } from "./icons.js";

      const skillsContainer = document.getElementById("skills");

      const skills = [
        "HTML",
        "CSS",
        "JavaScript",
        "TypeScript",
        "React",
        "Node.js",
        "Python",
        "AWS",
        "Docker",
        "Git",
        "SQL",
        "Nextjs",
        "Tailwindcss",
        "Websockets",
        "GraphQL",
      ];

      skills.forEach((skill) => {
        const skillDiv = document.createElement("div");
        skillDiv.className = "skill";

        const iconClass = skillIcons[skill] || "";
            skillDiv.innerHTML = `<i  class="${iconClass}"></i>
${skill}`;

        skillsContainer.appendChild(skillDiv);
```

```
        });
    </script>
  </body>
</html>
```

Styles.css file:

```css
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

:root {
  --primary-color: #2c3e50;
  --accent-color: #3498db;
  --text-color: #2c3e50;
  --light-bg: #f8f9fa;
  --transition: all 0.3s ease;
}

body {
  background: #f0f0f0;
  padding: 20px;
  font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;
  line-height: 1.6;
  color: var(--text-color);
}

.resume {
  max-width: 850px;
  margin: 0 auto;
  background: white;
  padding: 40px;
  border-radius: 12px;
  box-shadow: 0 5px 15px rgba(0, 0, 0, 0.1);
  transition: var(--transition);
}

.resume:hover {
```

```css
    box-shadow: 0 8px 25px rgba(0, 0, 0, 0.15);
}

.header {
  text-align: left;
  margin-bottom: 40px;
  padding: 20px;
  border-bottom: 3px solid var(--accent-color);
  display: flex;
  flex-direction: column;
  gap: 15px;
}

.header-content {
  display: flex;
  align-items: center;
  gap: 15px;
}

.profile-photo {
  width: 50px;
  height: 50px;
  border-radius: 50%;
  object-fit: cover;
}

.header h1 {
  color: var(--primary-color);
  font-size: 2.8em;
  margin: 0;
  font-weight: 700;
  letter-spacing: -0.5px;
}

.contact-info {
  display: flex;
  justify-content: left;
  flex-wrap: wrap;
  gap: 20px;
  color: #666;
  font-size: 0.95em;
}
```

```css
.contact-info p {
  display: flex;
  align-items: center;
  gap: 8px;
}

.contact-info i {
  color: var(--accent-color);
}

.contact-info a {
  color: #666;
}

.section {
  margin-bottom: 30px;
  padding: 20px;
  border-radius: 8px;
  transition: var(--transition);
}

.section:hover {
  background: var(--light-bg);
}

.section-title {
  color: var(--primary-color);
  font-size: 1.4em;
  margin-bottom: 20px;
  display: flex;
  align-items: center;
  gap: 10px;
}

.section-title i {
  color: var(--accent-color);
  width: 24px;
}

.job {
  margin-bottom: 25px;
  padding-left: 20px;
  border-left: 3px solid var(--accent-color);
```

```css
  transition: var(--transition);
}

.job:hover {
  border-left-width: 5px;
}

.job-title {
  font-weight: 600;
  color: var(--primary-color);
  font-size: 1.1em;
  margin-bottom: 5px;
}

.job-company {
  color: var(--accent-color);
  font-weight: 600;
  font-size: 1em;
  margin-bottom: 5px;
}

.job-date {
  color: #666;
  font-size: 0.9em;
  margin-bottom: 8px;
}

.job-description {
  color: #555;
  font-size: 0.95em;
  line-height: 1.6;
}

.project {
  margin-bottom: 25px;
  padding-left: 20px;
  border-left: 3px solid var(--accent-color);
  transition: var(--transition);
}

.project:hover {
  border-left-width: 5px;
}
```

```css
.project-title {
  font-weight: 600;
  color: var(--primary-color);
  font-size: 1.1em;
  margin-bottom: 5px;
}

.project-title a {
  text-decoration: none;
  color: var(--accent-color);
  transition: var(--transition);
}

.project-title a:hover {
  text-decoration: underline;
}

.project-description {
  color: #555;
  font-size: 0.95em;
  line-height: 1.6;
}

.skills {
  display: flex;
  flex-wrap: wrap;
  gap: 12px;
}

.skill {
  background: linear-gradient(135deg, #e8f4f8 0%, #d4e9f7 100%);
  padding: 8px 16px;
  border-radius: 20px;
  color: var(--accent-color);
  font-size: 0.9em;
  font-weight: 500;
  transition: var(--transition);
  border: 1px solid rgba(52, 152, 219, 0.2);
}

.skill i {
  margin-right: 8px;
```

```css
  font-size: 1.2em;
  vertical-align: middle;
  line-height: 1;
}

.skill:hover {
  transform: translateY(-2px);
  box-shadow: 0 3px 10px rgba(52, 152, 219, 0.2);
}

@media (max-width: 768px) {
  .resume {
    padding: 25px;
  }

  .header h1 {
    font-size: 2.2em;
  }

  .section-title {
    font-size: 1.2em;
  }

  .contact-info {
    flex-direction: column;
    gap: 10px;
  }
}

@media (max-width: 480px) {
  body {
    padding: 10px;
  }

  .resume {
    padding: 20px;
  }

  .header h1 {
    font-size: 1.8em;
  }

  .section {
```

```
    padding: 15px;
  }

  .job {
    padding-left: 15px;
  }

  .skill {
    padding: 6px 12px;
  }
}
```

Icons.js file:

```
export const skillIcons = {
  HTML: "devicon-html5-plain colored",
  CSS: "devicon-css3-plain colored",
  JavaScript: "devicon-javascript-plain colored",
  TypeScript: "devicon-typescript-plain colored",
  React: "devicon-react-original colored",
  "Node.js": "devicon-nodejs-plain colored",
  Python: "devicon-python-plain colored",
  AWS: "devicon-amazonwebservices-plain-wordmark colored",
  Docker: "devicon-docker-plain colored",
  Git: "devicon-git-plain colored",
  SQL: "devicon-mysql-plain colored",
  Nextjs: "devicon-nextjs-original colored",
  Tailwindcss: "devicon-tailwindcss-plain colored",
  Websockets: "fa-solid fa-network-wired",
  GraphQL: "devicon-graphql-plain colored",
};
```

4. Results/Output:- Entire Screen Shot including Date & Time

Sahil Kumar

✉ sk015221@gmail.com 📞 +91 7368970803 📍 Jamshedpur, Jharkhand in LinkedIn

○ Github

👤 Professional Summary

I am a dedicated software engineering student with a passion for open-source development and community-driven projects. Beyond coding, I enjoy immersing myself in music, spending quality time with friends, listening to podcasts, and indulging in a good book.

💼 Work Experience

Open Source Contributor

The Palisadoes Foundation

Feb 2024 - May 2024

Led the development of a core feature in the platform regarding membership requests. Redesigned a lot of interfaces and wrote unit tests for each of them.

🔀 Projects

Query Hive

QueryHive - community-driven platform inspired by StackOverflow, enhanced with AI-powered answers, gamification, recommendations, and more.

The project uses MongoDB for a robust database layer, NextAuth (Auth.js) for versatile authentication options (Email/Password, GitHub, Google), and sleek styling with TailwindCSS and ShadCN UI. QueryHive enables developers to ask questions, post answers, leverage AI for responses, vote, organize content, contribute, discover jobs, and explore recommended topics—all while engaging with gamified elements like badges and rewards.

🎓 Education

Bachelor of Technology in Electronics and Computer Science Engineering

Kalinga Institute of Industrial Technology

2022 - 2026

🔧 Skills

HTML CSS JavaScript TypeScript React

Node.js Python AWS Docker Git

SQL Nextjs Tailwindcss Websockets GraphQL

5.   Remarks:-

The live site link - Resume

Git - Github Repo

Signature of the Student   Signature of the Lab Coordinator

_____   _____

(Name of the Student)   (Name of the Coordinator)