<u>LABORATORY REPORT</u>

Application Development Lab (CS33002)

B.Tech Program in ECSc

Submitted By

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Exp No.	Title	Date of Experiment	Date of Submission	Remarks
1.	To design and develop a professional resume using HTML and CSS. Detailed Procedure:	07-01-2025	14-01-2025	
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7.				
8.				
9.	Open Ended 1			
10.	Open Ended 2			

Experiment Number	1
Experiment Title	Building a Resume using HTML/CSS
Date of Experiment	07-01-2025
Date of Submission	14-01-2025

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

2. **Procedure:-**

   1. Open a new project folder and create an `index.html` file for the structure of your resume.

   2. Write HTML code for sections: Header (Name, Photo, Contact), Skills, Projects, Work-experience, and Education.

   3. Add hyperlinks to Linked In, GitHub, and other online portfolios.

   4. Use CSS to apply design elements for proper alignment, spacing, and colors.

   5. Make the layout responsive using Flexbox or Grid.

   6. Integrate images and video links as required.

   7. Test the design across devices.

3. **Code:-**

   a) **Index.html -**

```html
<!DOCTYPE html>
<html lang="en">

<head>
   <meta charset="UTF-8">
```

```html
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Somyak Senapaty - Resume</title>
    <link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-beta3/css/all.min.css" rel="stylesheet">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">
    <link rel="stylesheet" href="style.css">
</head>

<body>
    <div class="a4-container">
        <!-- Header Section -->
        <header class="header">
            <h1>Somyak Senapaty</h1>
            <div class="contact-info">
                <p class="email">
                    <i class="fas fa-envelope"></i>
                    <a href="mailto:somyaksenapaty2003@gmail.com">somyaksenapaty2003@gmail.com</a>
                </p>
                <p class="phone">
                    <i class="fas fa-phone-alt"></i>
                    +91 9777447803
```

```html
        </p>
        <p class="linkedin">
          <i class="fab fa-linkedin"></i>
          <a
href="https://www.linkedin.com/in/somyaksenapaty2003/"
target="_blank">LinkedIn Profile</a>
        </p>
      </div>
      <div class="image-container">
        <img src="profile.jpg" alt="Profile Picture">
      </div>
    </header>

    <!-- Education Section -->
    <section class="education">
      <h2 class="heading">EDUCATION</h2>
      <hr>
      <div class="education-entry">
        <div class="institution">
          <span class="name">Kalinga Institute of Industrial
Technology</span>
          <span class="location">Bhubaneswar, India</span>
        </div>
        <div class="details">
          <span class="degree">B.Tech in Electronics and
Computer Science Engineering; CGPA: 7.32</span>
          <span class="year">2022 - 2026</span>
        </div>
      </div>
```

```html
            <div class="education-entry">
                <div class="institution">
                    <span class="name">Doon International School</span>
                    <span class="location">Bhubaneswar, Odisha</span>
                </div>
                <div class="details">
                    <span class="degree">CBSE 12th; Percentage: 73.6%</span>
                    <span class="year">2022</span>
                </div>
            </div>

            <div class="education-entry">
                <div class="institution">
                    <span class="name">D.A.V. Public School Pokhariput</span>
                    <span class="location">Bhubaneswar, Odisha</span>
                </div>
                <div class="details">
                    <span class="degree">CBSE 10th; Percentage: 89.6%</span>
                    <span class="year">2020</span>
                </div>
            </div>
        </section>

        <!-- Projects Section -->
```

```html
<section class="projects">
  <h2 class="heading">PROJECTS</h2>
  <hr>
  <ul>
    <li>
      <h3 class="project-heading">
        Automatic Car Parking System
      </h3>
      <p class="description">
        This project implements a smart parking solution using an Arduino Uno, proximity sensors, and an RFID system. Proximity sensors detect available parking spaces, while an RFID card reader controls vehicle access. When a valid RFID card is scanned, the barrier gate opens, and the system updates slot availability, displaying the status on an LCD screen. The design minimizes human intervention, reduces parking time, and enhances security by ensuring authorized access. This efficient, cost-effective solution demonstrates scalable technology for modernizing parking management in smart cities.
      </p>
    </li>
    <li>
      <h3 class="project-heading">
        Sun Tracking Solar Panel (Ongoing Project)
      </h3>
      <p class="description">
```

Our project introduces a smart solar panel system that tracks the sun's movement using an advanced driver module, maximizing sunlight capture for increased energy efficiency. Designed to empower rural communities, this innovative solution provides a cost-effective, sustainable alternative to traditional electricity. By optimizing renewable energy generation, it helps bridge the energy gap, reduce reliance on non-renewable resources, and lower energy costs. Scalable and reliable, the Sun Tracking Solar Panel brings clean power to underserved regions, promoting a greener, brighter future.

Harness the power of the sun—anytime, anywhere—with our transformative solar tracking technology.

```
        </p>
      </li>
    </ul>
  </section>

  <!-- Experience Section -->
  <section class="experience">
    <h2 class="heading">EXPERIENCE</h2>
    <hr>
    <div class="experience-entry">
      <div class="company">
        <span class="name">
          DSA With Java And Web Developmemt Course
(Ongoing)
```

```html
            <a
href="https://drive.google.com/drive/folders/1gTnozTvpDt31daE3
vJ4dTOOXLkURpfvG?usp=drive_link"
                target="_blank">
                <i class="fas fa-external-link-alt"></i>
            </a>
        </span>
        <span class="location">Virtual</span>
    </div>
    <div class="about">
        <span class="company-name">Apna College</span>
        <span class="year">May 2024 - Present</span>
    </div>
    <div class="details">
        <ul>
            <li>Gained hands-on experience in HTML, CSS,
and JavaScript for front-end web development
                and responsive design using Bootstrap.</li>
            <li>Learned    backend    technologies,    including
Node.js,    Express.js,    and    database    management    with
MongoDB.</li>
            <li>Built interactive and scalable web applications
through real-world projects, strengthening full-stack development
skills.</li>
        </ul>
    </div>
</div>
<div class="experience-entry">
    <div class="company">
```

```html
            <span class="name">
                Teachnook - Collaboration with Cognizance'24 IIT
Roorkee
                <a
href="https://drive.google.com/drive/folders/1gTnozTvpDt31daE3
vJ4dTOOXLkURpfvG?usp=drive_link"
                    target="_blank">
                    <i class="fas fa-external-link-alt"></i>
                </a>
            </span>
            <span class="location">Virtual</span>
        </div>
        <div class="about">
            <span class="company-name">Teachnook</span>
            <span class="year">June 2024 - July 2024</span>
        </div>
        <div class="details">
            <ul>
                <li>The course offered in collaboration with
Cognizance'24 IIT Roorkee covered key concepts
                    of web development, including HTML, CSS,
JavaScript, and modern frameworks. It provided
                    hands-on experience in building responsive and
dynamic websites.</li>
                <li>The course emphasized practical learning with
real-world projects, enhancing skills
                    in frontend and backend development.
Completion of the course awarded a certificate,
```

recognized for its association with a prestigious IIT event, adding value to professional credentials.

          </div>
        </div>

      </section>

      <!-- Core Subject Proficiency Section -->
      <section class="core">
        <h2 class="heading">CORE SUBJECT PROFICIENCY</h2>
        <hr>

          Data Structure And Algorithms
          Database Management System
          Microprocessor & Embedded Systems
          Electronic Circuits

      </section>

      <!-- Skills Section -->
      <section class="skills">
        <h2 class="heading">SKILLS</h2>
        <hr>

          Programming Languages: C, Java, Python, HTML, CSS, SQL

```html
        <li>Developer  Tools:  VS  Code,  Google  Collab,
MySQL</li>
        <li>Frameworks: Flask</li>
        <li>Libraries: Pandas, NumPy, Matplotlib</li>
      </ul>
    </section>


    <!-- Achievements Section -->
    <section class="achievements">
      <h2 class="heading">ACHIEVEMENTS</h2>
      <hr>
      <ul>
        <li>Responsive  Web  Design  -  Certification  from
FreeCodeCamp                                              <a
href="https://drive.google.com/drive/folders/1gTnozTvpDt31daE3
vJ4dTOOXLkURpfvG?usp=drive_link"
            target="_blank">
          <i class="fas fa-external-link-alt"></i>
        </a></li>
        <li>Flask  Basics  -  Certification  from  Cursa  App  <a
href="https://drive.google.com/drive/folders/1gTnozTvpDt31daE3
vJ4dTOOXLkURpfvG?usp=drive_link"
            target="_blank">
          <i class="fas fa-external-link-alt"></i>
        </a></li>
        <li>MySQL Fundamentals - Certification from Scaler <a
href="https://drive.google.com/drive/folders/1gTnozTvpDt31daE3
vJ4dTOOXLkURpfvG?usp=drive_link"
            target="_blank">
```

```html
          <i class="fas fa-external-link-alt"></i>
        </a></li>
      </ul>
    </section>
  </div>

  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap
.bundle.min.js"
      integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9Gk
cIdslK1eN7N6jIeHz"
      crossorigin="anonymous"></script>
</body>

</html>
```

b) **Style.css** -

```css
html {
  height: 80%;
  margin: 0;
}

body {
  display: flex;
  justify-content: center;
  min-height: 100vh;
}

.a4-container {
```

```css
    width: 210mm;
    min-height: 297mm;
    margin: 20px auto;
    padding: 15mm;
    background-color: white;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    box-sizing: border-box;
    font-size: 10pt;
}

.header {
    margin-bottom: 15px;
    display: flex;
    justify-content: space-between;
    gap: 15px;
}

.header-content {
    flex: 1;
}

.header h1 {
    margin: 0 0 8px 0;
    font-size: 18pt;
    font-weight: bold;
}

.contact-info {
    font-size: 9pt;
```

```css
  margin-left: -557px;
  margin-top: 40px;
  gap: 4px;
}

.contact-info p {
  margin: 0;
  display: flex;
  align-items: center;
  gap: 4px;
}

.image-container {
  width: 100px;
  height: 100px;
  flex-shrink: 0;
}

.image-container img {
  width: 100%;
  height: 100%;
  object-fit: cover;
  object-position: center;
}

a {
  color: inherit;
  text-decoration: none;
}
```

```css
a:hover {
  text-decoration: underline;
}

.heading {
  font-size: 12pt;
  margin: 8px 0 4px;
  font-weight: bold;
}

hr {
  border: 0;
  border-top: 1px solid black;
  margin: 4px 0;
}

ul {
  padding-left: 12px;
  margin: 5px 0;
}

ul li {
  font-size: 9pt;
  margin-bottom: 6px;
  line-height: 1.3;
}

.education,
```

```css
.experience,
.projects,
.skills,
.core,
.achievements {
  margin-top: 12px;
}

.education-entry,
.experience-entry {
  margin-bottom: 10px;
}

.institution,
.company {
  display: flex;
  justify-content: space-between;
  font-size: 10pt;
  font-weight: bold;
  margin-bottom: 5px;
}

.institution .location,
.company .location {
  font-style: italic;
  font-weight: lighter;
  color: #555;
}
```

```css
.details,
.about {
  display: flex;
  justify-content: space-between;
  font-size: 9pt;
  color: #333;
}

.details .year,
.about .year {
  font-style: italic;
}

.project-heading {
  font-size: 10pt;
  font-weight: bold;
  margin-bottom: 3px;
}

.description {
  font-size: 9pt;
  line-height: 1.3;
}

.projects ul,
.skills ul,
.core ul,
.achievements ul {
  list-style-type: none;
```

```css
    padding-left: 0;
}

.skills li,
.core li,
.achievements li {
  margin-bottom: 5px;
}

.experience-entry .details ul {
  margin-top: 3px;
  margin-left:19px;
}

@media print {
  body {
    background: none;
  }

  .a4-container {
    margin: 0;
    padding: 15mm;
    box-shadow: none;
    width: 210mm;
    height: 100px;
  }
}

@media screen and (max-width: 210mm) {
```

```
.a4-container {

  margin: 0;

  width: 100%;

  min-height: auto;

 }

}

.fa-phone-alt {

 transform: rotate(90deg);

 }
```
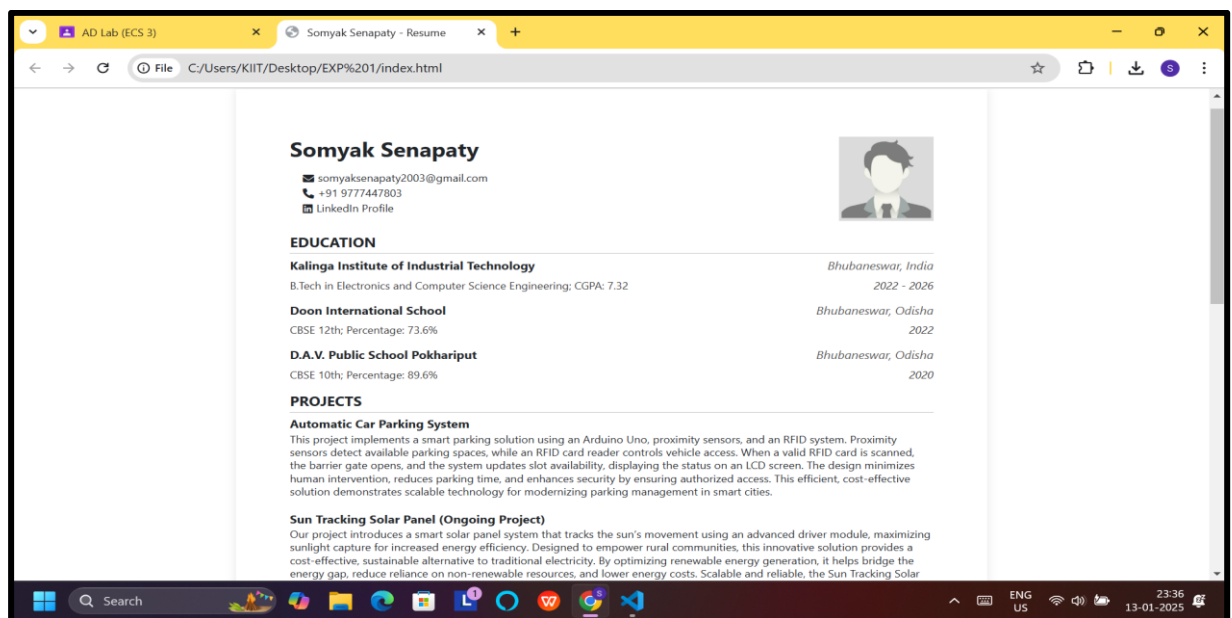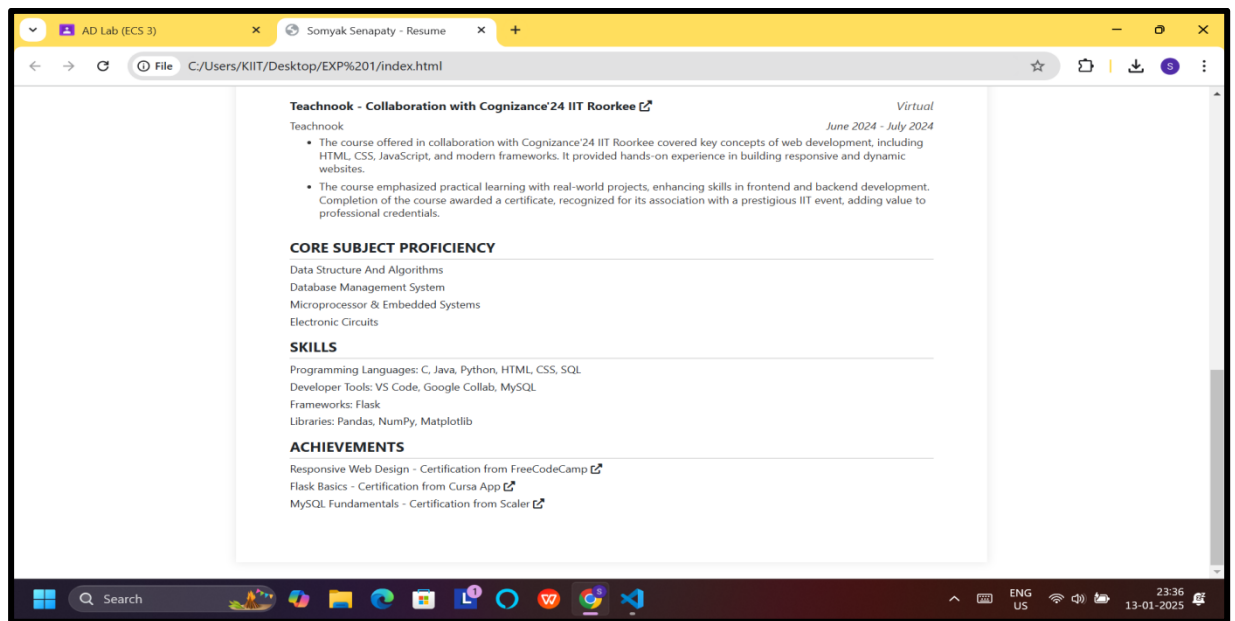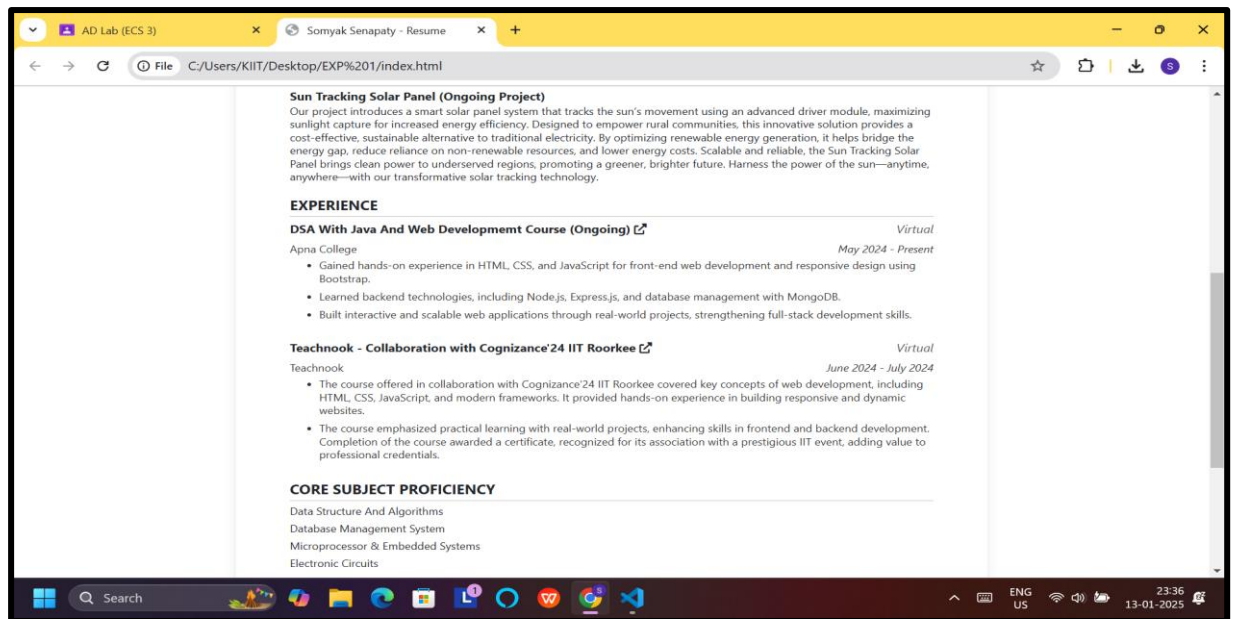
4. **GITHUB Repository Link:-**

https://github.com/Somyak2003?tab=repositories

5. **LinkedIn Link:-**

https://www.linkedin.com/in/somyaksenapaty2003/

6. **Results/Output:- (Entire Screen Shot including Date & Time)**

7.   Remarks:-

Signature of the Student   Signature of the Lab Coordinator

_____   _____

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