

LABORATORY REPORT
Application Development Lab
(CS33002)

B.Tech Program in ECSc

Submitted By

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Kalinga Institute of Industrial Technology
(Deemed to be University)
Bhubaneswar, India

Spring 2024-2025

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Experiment Number	1
Experiment Title	Build a Resume using HTML/CSS
Date of Experiment	07/01/2025
Date of Submission	13/01/1025

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

2. Procedure:- (Steps Followed)

- **Setup the Project:**

- Create a folder for your project.
- Inside the folder, create two files: `index.html` and `style.css`.

- **HTML Structure:**

- Open the `index.html` file and define the basic HTML structure:
 - Add the `DOCTYPE` declaration for HTML5.
 - Create the `html`, `head`, and `body` sections.
 - In the `head`, link to the CSS file using `<link rel="stylesheet" href="style.css">`.

- **Design the Layout:**

- Use a `div` with a class of `container` to hold the resume structure.
- Create two sections:
 - **Profile Section:**
 - Add a `div` with the class `profile` for the left-hand sidebar.
 - Include a `profile-photo` and `profile-info` for personal details.
 - **Resume Section:**
 - Add a `div` with the class `resume` for the main content.
 - Include child sections like `about`, `education`, `projects`, and `skills`.

- **Style the Components:**

- Open `style.css` to define styles for the template:
 - Set up a responsive grid using Flexbox in `.container`.
 - Add custom styles for colors, font sizes, and spacing.
 - Style specific sections like `.profile`, `.resume`, and their child elements.

- **Profile Section:**

- Use a `div` with the class `profile-photo` to display a profile image.
- Add personal details (e.g., name, contact information) in `profile-info`.
- Include a `languages` section with styled circular progress bars.

- **Resume Section:**
 - **About Section:**
 - Add the candidate's name, position, and location in styled headings.
 - **Education Section:**
 - Use a list () with list items () for institutions, dates, and qualifications.
 - **Projects Section:**
 - Display a list of projects, each with a title, date, and description.
 - **Skills Section:**
 - Use horizontal progress bars to visually represent skill levels.
- **Make It Responsive:**
 - Add @media queries in style.css to handle different screen sizes:
 - Adjust the layout for tablets (max-width: 768px) and phones (max-width: 480px).
 - Ensure content stacks vertically on smaller devices.
- **Testing and Optimization:**
 - Open the index.html file in a web browser to view the resume.
 - Test the responsiveness by resizing the browser window.
 - Validate the HTML and CSS using online tools like W3C Validator.
- **Deployment:**
 - Host the project using GitHub Pages, Netlify, or any static web hosting service.
 - Ensure the profile image (profile.png) is available in the project directory.

3. Code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Resume - Bishwajeet Das</title>
  <style>
    html {
      box-sizing: border-box;
    }
    *, *:after, *:before {
      box-sizing: inherit;
    }
    .container {
      display: flex;
      max-width: 960px;
      background-color: #eaeaea;
      justify-content: space-between;
      margin: 20px auto;
```

```
    box-shadow: 1px 1px 10px rgba(0,0,0,0.1)
}
.profile {
    flex-basis: 35%;
    background-color: #39383a;
    color: #ababab;
}
.profile-photo {
    height: 270px;
    background-image: url(./profile.png);
    background-size: cover;
    background-position: top;
    background-repeat: no-repeat;
}
.profile-info {
    padding-left: 30px;
    padding-right: 30px;
    padding-top: 50px;
    padding-bottom: 70px;
}
.profile-text {
    font-size: 13px;
    line-height: 24.19px;
    margin-bottom: 50px;
}
.heading {
    margin: 0;
    padding-bottom: 16px;
    text-transform: uppercase;
    font-weight: 700;
}
.heading-light {
    color: #ffffff;
    border-bottom: 2px #5a5a5a dashed;
}
.contacts {
    margin-bottom: 70px;
}
.contacts-title {
    color: #fff;
    margin-bottom: 13px;
    font-size: 16px;
    font-weight: 400;
}
.contacts-text {
    color: #ababab;
    text-decoration: none;
    padding-left: 27px;
    line-height: 20.97px;
}
.contacts-item {
    padding-top: 24px;
    padding-bottom: 24px;
```

```

    border-bottom: 2px #5a5a5a dashed;
}
address {
    font-style: normal;
}
.fas {
    margin-right: 7px;
}
.languages {
    display: flex;
    flex-wrap: wrap;
    padding-top: 40px;
}
.language {
    width: 100px;
    height: 100px;
    border: 6px solid #5c5c5c;
    border-radius: 50%;
    display: flex;
    justify-content: center;
    align-items: center;
    flex-direction: column;
    margin-bottom: 30px;
    margin-right: 30px;
}
.language:nth-child(3) {
    margin-bottom: 0;
}
.language-text {
    text-transform: uppercase;
    font-size: 11px
}
.languages-per {
    font-size: 15px;
    font-weight: 600;
}
.lines {
    display: flex;
    flex-direction: column;
    justify-content: center;
}
.line {
    display: block;
    width: 90px;
    height: 2px;
    background-color: #5c5c5c;
    margin-top: 10px;
    margin-bottom: 10px;
}
.line:nth-child(2) {
    width: 100px;
    margin-left: 20px;
}

```

```

.resume {
  padding: 25px 30px;
  flex-basis: 63%;
  background-color: #fff;
}
.resume-wrap {
  padding: 36px 56px;
  border: 1px solid rgba(168, 168, 168, 0.44);
  min-height: 100%;
}
.logo {
  display: flex;
  justify-content: center;
  margin-bottom: 38px;
}
.logo-img {
  width: 90px;
  height: 90px;
  border: 1px solid #39383a;
  border-radius: 50%;
  display: flex;
  justify-content: center;
  align-items: center;
}
.logo-lines {
  display: flex;
  align-items: center;
  justify-content: center;
  flex-direction: column;
  margin-left: 17px;
  margin-right: 17px;
}
.logo-line {
  width: 43px;
  height: 2px;
  background-color: #39383a;
  margin-top: 10px;
  margin-bottom: 10px;
}
.logo-lines_left .logo-line:nth-child(2) {
  margin-right: 20px;
  width: 55px;
}
.logo-lines_right .logo-line:nth-child(2) {
  margin-left: 20px;
  width: 55px;
}
.about {
  padding-bottom: 30px;
  border-bottom: 1px solid #e0e0e0;
  text-align: center;
  margin-bottom: 40px;
}

```

```
.name {
  font-size: 16px;
  text-transform: uppercase;
  letter-spacing: 10.75px;
  margin-bottom: 10px;
}

.position {
  display: inline-block;
  font-size: 9px;
  text-transform: uppercase;
  color: #808080;
  margin-bottom: 30px;
}

.about-address {
  font-size: 13px;
  margin-bottom: 15px;
  font-family: Roboto;
}

.about-contacts {
  font-size: 8px;
}

.about-contacts__link {
  text-decoration: none;
  color: #777777;
}

.heading_dark {
  font-size: 16px;
  font-weight: 400;
  border-bottom: 1px solid #e0e0e0;
  margin-bottom: 37px;
}

.list {
  list-style: none;
  padding-left: 0;
}

.list-item {
  position: relative;
  padding-left: 40px;
  padding-bottom: 30px;
  margin-bottom: 30px;
  border-bottom: 2px dashed #e0e0e0;
}

.list-item:before {
  content: '';
  position: absolute;
  left: 0;
  top: 3px;
  width: 9px;
  height: 9px;
  border-radius: 50%;
  background-color: #000;
}

.list-item__title {
```



```

    font-size: 11px;
    text-transform: uppercase;
    margin-bottom: 5px;
}.list-item__date {
    font-size: 10px;
    text-transform: uppercase;
}
.list-item__text {
    font-size: 10px;
    color: #777;
}
.list-item_non-border {
    border: none;
}
.heading_skills {
    margin-bottom: 48px;
}
.skills-list {
    list-style-type: none;
    padding-left: 0;
}
.skills-list__item {
    margin-bottom: 30px;
    text-transform: uppercase;
    font-size: 11px;
    display: flex;
    justify-content: space-between;
}
.level {
    width: 70%;
    height: 8px;
    border: 1px solid #39383a;
    position: relative;
}
.level:before {
    content: '';
    position: absolute;
    left: 0;
    top: 0;
    height: 100%;
    background-color: #898989;
}
.level-80:before {
    width: 80%;
}
.level-90:before {
    width: 90%;
}
.level-50:before {
    width: 50%;
}
}

```

```

@media (max-width: 1024px) {

```

```

    .container {
        width: 90%;
    }
}

@media (max-width: 992px) {
    .container {
        flex-direction: column;
        width: 70%;
    }
    .profile-photo {
        width: 200px;
        height: 200px;
        border: 3px solid #fff;
        margin: auto;
        margin-top: 40px;
    }
    .profile {
        position: relative;
    }
    .profile:before {
        content: '';
        width: 100%;
        height: 150px;
        background-color: #03A9F4;
        display: block;
        position: absolute;
    }
    .profile-photo {
        position: relative;
        z-index: 0;
    }
    .lines {
        display: none;
    }
}

@media (max-width: 768px) {
    .container {
        width: 80%;
    }
    .resume {
        padding: 10px;
    }
    .resume-wrap {
        padding-left: 20px;
        padding-right: 20px;
    }
    .list-item__title {
        font-size: 14px;
    }
    .list-item__date {
        font-size: 12px;
    }
}

```

```

.list-item__text {
  font-size: 12px;
  line-height: 1.4;
}
.about-contacts__link {
  display: block;
  font-size: 13px;
}
}
@media (max-width: 567px) {
  .logo-img {
    width: 70px;
    height: 70px;
  }
  .logo-lines {
    margin-left: 8px;
    margin-right: 8px;
  }
}
@media (max-width: 480px) {
  .logo {
    display: none;
  }
  .container {
    min-width: 320px;
  }
  .name {
    letter-spacing: normal;
  }
  .level {
    width: 50%;
  }
}

</style>
</head>
<body>
  <div class="container">
    <div class="profile">
      <div class="profile-photo"></div>
      <div class="profile-info">
        <h2 class="heading heading-light">
          Profile
        </h2>
        <p class="profile-text">
          Hello! I'm Bishwajeet Das, an Electronics Engineering student with a
          passion for programming, embedded systems, and problem-solving. Proficient in C,
          Java, and Python, with experience in signal modulation, sparse matrix operations,
          and web development.
        </p>
        <div class="contacts">
          <div class="contacts-item">

```

```

        <h3 class="contacts-title">
            <i class="fas fa-phone-volume"></i>
            Phone
        </h3>
        <a href="tel:+919006019799" class="contacts-text">+91-
9006019799</a>
    </div>
    <div class="contacts-item">
        <h3 class="contacts-title">
            <i class="fas fa-envelope"></i>
            Email
        </h3>
        <a href="mailto:dasbishwajeet23@gmail.com" class="contacts-
text">dasbishwajeet23@gmail.com</a>
    </div>
    <div class="contacts-item">
        <h3 class="contacts-title">
            <i class="fas fa-map-marker-alt"></i>
            Location
        </h3>
        <address class="contacts-text">
            Bhubaneswar, Odisha
        </address>
    </div>
</div>
<h2 class="heading heading-light">Languages</h2>
<div class="languages">
    <div class="language">
        <span class="language-text">English</span>
        <strong class="languages-per">100%</strong>
    </div>
    <div class="language">
        <span class="language-text">Bengali</span>
        <strong class="languages-per">100%</strong>
    </div>
    <div class="language">
        <span class="language-text">Hindi</span>
        <strong class="languages-per">100%</strong>
    </div>
</div>
</div>
<div class="resume">
    <div class="resume-wrap">
        <div class="about">
            <h1 class="name">Bishwajeet Das</h1>
            <span class="position">Electronics Engineering Student</span>
            <address class="about-address">Bhubaneswar, Odisha</address>
            <div class="about-contacts">
                <a class="about-contacts__link" href="https://linkedin.com/feed/">
                    <b>LinkedIn</b>
                </a>
            </div>
        </div>
    </div>
</div>

```

```

</div>
<div class="work-experience">
  <h2 class="heading heading_dark">Work Experience</h2>
  <ul class="list">
    <li class="list-item">
      <h4 class="list-item__title">Summer Intern</h4>
      <span class="list-item__date">June 2024 - August 2024</span>
      <p class="list-item__text">Prototyped and verified embedded
system designs. Learned HW-SW co-design methodologies and system modeling.</p>
    </li>
  </ul>
</div>
<div class="skills">
  <h2 class="heading heading_dark heading_skills">
    Skills & Competencies
  </h2>
  <ul class="skills-list">
    <li class="skills-list__item">Programming: C, Java, Python,
MATLAB</li>
    <li class="skills-list__item">Web Development: HTML, CSS,
React.js, Angular</li>
    <li class="skills-list__item">Tools & Platforms: GNURadio
Companion, Git, LaTeX</li>
    <li class="skills-list__item">Specialized Areas: Signal Modulation
(BPSK, BFSK), Sparse Matrix Operations</li>
  </ul>
</div>
<div class="certifications">
  <h2 class="heading heading_dark">Certifications & Courses</h2>
  <ul class="list">
    <li class="list-item">Explore Supply Chain Job Simulation (GE
Aerospace)</li>
    <li class="list-item">Manufacturing Job Simulation (DIAGEO)</li>
    <li class="list-item">Python Development (TechnoHacks)</li>
    <li class="list-item">Learn SQL Using MySQL and Database
Design</li>
    <li class="list-item">Responsive Web Design (FreeCodeCamp)</li>
    <li class="list-item">Engineering for New Energy (APA)</li>
    <li class="list-item">Operations Engineer Simulation
(SIEMENS)</li>
  </ul>
</div>
<div class="education">
  <h2 class="heading heading_dark">Education</h2>
  <ul class="list">
    <li class="list-item">
      <h4 class="list-item__title">Kalinga Institute of Industrial
Technology (KIIT)</h4>
      <span class="list-item__date">2022 - 2026</span>
      <p class="list-item__text">B.Tech in Electronics Engineering
(3rd Year, Expected Graduation: 2026)</p>
    </li>
    <li class="list-item">

```

```

        <h4 class="list-item__title">Jharkhand Academic Council
(JAC)</h4>
        <span class="list-item__date">2022</span>
        <p class="list-item__text">Class XII, 71%</p>
    </li>
    <li class="list-item">
        <h4 class="list-item__title">ICSE</h4>
        <span class="list-item__date">2020</span>
        <p class="list-item__text">Class X, 68%</p>
    </li>
</ul>
</div>
</div>
</div>
</div>
</body>
</html>

```

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

PROFILE

Hello! I'm Bishwajeet Das, an Electronics Engineering student with a passion for programming, embedded systems, and problem-solving. Proficient in C, Java, and Python, with experience in signal modulation, sparse matrix operations, and web development.

Phone

+91-9006019799

Email

dasbishwajeet23@gmail.com

Location

Bhubaneswar, Odisha

LANGUAGES

ENGLISH
100%

BENGALI
100%

HINDI
100%

BISHWAJEET DAS

ELECTRONICS ENGINEERING STUDENT

Bhubaneswar, Odisha

Lushada

WORK EXPERIENCE

SUMMER INTERN

JUNE 2024 - AUGUST 2024

Prototyped and verified embedded system designs. Learned HW-SW co-design methodologies and system modeling.

SKILLS & COMPETENCIES

PROGRAMMING: C, JAVA, PYTHON, MATLAB

WEB DEVELOPMENT: HTML, CSS, REACTJS, ANGULAR

TOOLS & PLATFORMS: GNURADIO COMPANION, GIT, LATEX

SPECIALIZED AREAS: SIGNAL MODULATION (BPSK, QPSK), SPARSE MATRIX OPERATIONS

CERTIFICATIONS & COURSES

- Explore Supply Chain Job Simulation (GE Aerospace)
- Manufacturing Job Simulation (DIAGEO)
- Python Development (TechnoHacks)
- Learn SQL Using MySQL and Database Design
- Responsive Web Design (FreeCodeCamp)
- Engineering for New Energy (APA)
- Operations Engineer Simulation (SIEMENS)

EDUCATION

- KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)**
2021 - 2026
B.Tech in Electronics Engineering (3rd Year, Expected Graduation: 2026)
- JHARKHAND ACADEMIC COUNCIL (JAC)**
2022
Class XII, 71%
- ICSE**
2020
Class X, 61%

5. Remarks:-

Signature of the Student

Bishwajeet Das

(Name of the Student)

Signature of the Lab Coordinator

(Name of the Coordinator)