GALGOTIAS UNIVERSITY

Greater Noida, Uttar Pradesh, India

Course Based Project Report

Student Details			
Student Name	**Vivek Dagar**		
Registration Number	**21131410085**	**Admission Number**	**21SCSE1410040**
Program	**B Tech CSE (AI)**		
Year/Semester	**6th**	**Section**	**1 (AI)**

Course Details			
Course Name	**Web Technology**		
Course Code	**R1UC602C**	**Type of Course**	Theory/Blended/Comprehensive
Course Teacher	**Dileep Kumar Kushwaha**		
Project title	**Single page mobile responsive resume**		

Assessment Patten						Signature of the faculty
Problem Statement	**Methodology**	**Output**	**Presentation**	**Viva**	**Total Marks**	

Problem Statement

The objective is to create a single-page, mobile-responsive resume website that addresses the challenges professionals face in today's job market. Traditional resume formats often lack interactivity and mobile optimization, hindering visibility to potential employers. This project aims to provide job seekers with a dynamic platform to effectively highlight their qualifications and skills, enhancing their online presence and engagement with potential employers.

Project Requirements and Specifications

The requirements for the resume website are detailed below, highlighting both functional and non-functional specifications to ensure the website meets the necessary standards for usability and performance.

Functional Requirements

1. **Contact Information Section:** Display the individual's name prominently, with social media links, email, phone number, and location.
2. **Education Section:** List educational qualifications in reverse order, including institution name, degree, study duration, and academic performance.
3. **Projects Section:** Highlight significant projects with titles, descriptions, dates, and bullet points for key features and technologies used.
4. **Skills Section:** List skills (technical and soft skills).
5. **Any additional important information such as language, relevant certifications and courses.**

Non-Functional Requirements

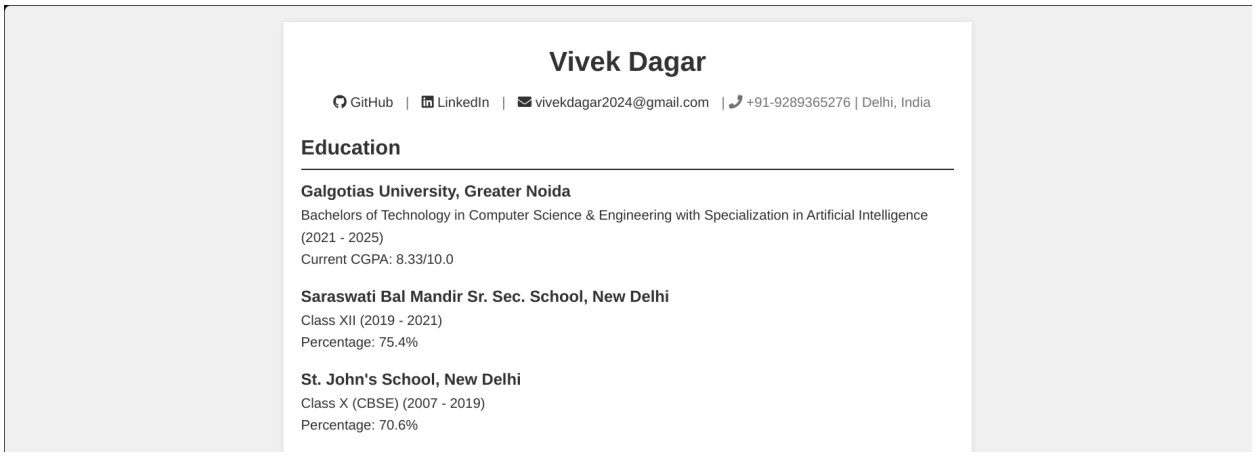
1. **Responsiveness**: Ensure the website renders correctly on various screen sizes (desktop, tablet, smartphone).
2. **Usability**: Ensure easy navigation with clear section headings and logical flow.

Implementation

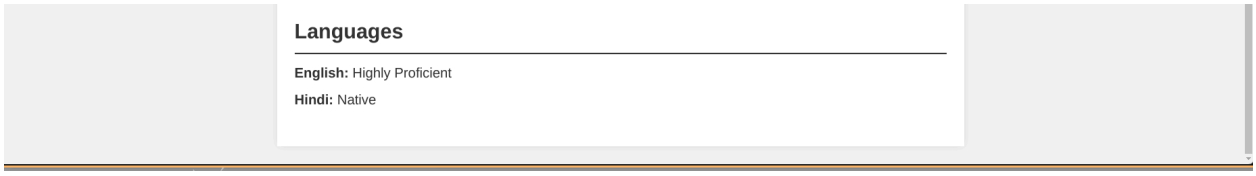
- **HTML Elements:** Various HTML elements are utilized to create sections for different components of the resume, ensuring clear and organized presentation.
- **CSS Styling:** CSS is employed to style the layout, fonts, colors, and responsiveness of the website, adapting to different screen sizes using media queries.
- **Font Awesome Icons:** Font Awesome icons are included to enhance visual elements and provide links to social media profiles.

Visual Representation

To better illustrate the implementation of the resume website, below are screenshots showcasing various sections and features of the website:



Screenshot 1



Screenshot 2

Hosting Information

The website is currently hosted on GitHub Pages, a reliable hosting platform known for its seamless deployment process and global accessibility. You can access the live version of the website at the following URL:

https://vivekkdagar.github.io/single-page-resume/

References

1. GitHub. "GitHub Pages: Getting Started."
https://docs.github.com/en/pages/getting-started-with-github-pages

2. Font Awesome
https://fontawesome.com/

Appendices

Complete code for the website, comprising the HTML markup (index.html) and the CSS stylesheet (style.css):

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Vivek Dagar's Resume</title>
   <link rel="stylesheet" type="text/css" href="style.css">
   <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">
</head>
<body>
   <div class="container">
      <header>
         <h1>Vivek Dagar</h1>
         <p><a href="https://github.com/vivekkdagar"><i class="fab fa-github"></i>
GitHub</a> | <a href="https://www.linkedin.com/in/vivekkdagar/"><i class="fab
fa-linkedin"></i> LinkedIn</a> | <a href="mailto:vivekdagar2024@gmail.com"><i
class="fas fa-envelope"></i> vivekdagar2024@gmail.com</a> | <i class="fas
fa-phone"></i> +91-9289365276 | Delhi, India</p>
      </header>
      <section class="education">
         <h2>Education</h2>
         <div class="edu-item">
            <h3>Galgotias University, Greater Noida</h3>
            <p>Bachelors of Technology in Computer Science & Engineering with
Specialization in Artificial Intelligence (2021 - 2025)</p>
            <p>Current CGPA: 8.33/10.0</p>
         </div>
         <div class="edu-item">
            <h3>Saraswati Bal Mandir Sr. Sec. School, New Delhi</h3>
            <p>Class XII (2019 - 2021)</p>
            <p>Percentage: 75.4%</p>
```

```
        </div>
        <div class="edu-item">
            <h3>St. John's School, New Delhi</h3>
            <p>Class X (CBSE) (2007 - 2019)</p>
            <p>Percentage: 70.6%</p>
        </div>
    </section>
    <section class="projects">
        <h2>Projects</h2>
        <div class="project-item">
            <h3>C Lexical Analyzer</h3>
            <p>A C++ lexer library with comprehensive unit tests for accurate tokenization of source code (April 2024)</p>
            <ul>
                <li>Employed object-oriented design principles to create a flexible and extensible lexer architecture, facilitating easy integration into diverse software projects.</li>
                <li>Leveraged STL in C++ to optimize data structures and algorithms, ensuring efficient tokenization.</li>
            </ul>
        </div>
        <div class="project-item">
            <h3>Pyquantify: A CLI-based application built using click library</h3>
            <p>A CLI-based application for text analysis and summarization leveraging various NLP techniques (January 2024)</p>
            <ul>
                <li>Diverse text analysis capabilities: sentiment analysis, keyword extraction, cosine-similarity, part-of-speech tagging, lemmatized form analysis, frequency tables, and more.</li>
                <li>User-friendly CLI interface facilitates interactive text analysis and summarization tasks.</li>
                <li>Robust error handling ensures graceful handling of exceptions for seamless operation.</li>
                <li>Utilizes caching and multi-processing for improved performance in summarization and sentiment analysis.</li>
            </ul>
        </div>
```

```
        <div class="project-item">
            <h3>TacTacAI</h3>
            <p>A simple command-line Python-based Tic Tac Toe game for player vs. player or player vs. AI (April 2023)</p>
            <ul>
                <li>AI opponent implemented using the minimax algorithm for optimal move selection.</li>
                <li>Game scores saved across different sessions, accessible via the CLI interface.</li>
                <li>Performed comprehensive unit tests using the `unittest` framework to verify the functionality of the Tic Tac Toe game, ensuring correctness and reliability.</li>
            </ul>
        </div>
    </section>
    <section class="skills">
        <h2>Skills</h2>
        <ul>
            <li><strong>Programming Languages:</strong> C++, Python, C</li>
            <li><strong>Web Development:</strong> Django, HTML5</li>
            <li><strong>Software Development and Engineering:</strong> Version Control (Git), Unit Testing, Object-Oriented Programming (OOP), Command-Line interface (CLI) development & Testing and Quality Assurance</li>
            <li><strong>System Administration and Scripting:</strong> Shell Scripting, GNU/Linux, IT Automation, Puppet (Configuration Management Tool) & Troubleshooting & Debugging</li>
            <li><strong>Natural Language Processing:</strong> Text Preprocessing, NLP Libraries (TextBlob, NLTK, etc.), Data Handling, Text Summarization, Sentiment Analysis & keyword extraction</li>
            <li><strong>Prompt Engineering</strong></li>
            <li><strong>Problem Solving & Communication</strong></li>
        </ul>
    </section>
    <section class="certifications">
        <h2>Certifications & Professional Development</h2>
        <ul>
            <li><strong>Google IT Automation with Python:</strong> Coursera (Sep 2023)</li>
```

```
            <li><strong>CS50P: Introduction to Programming with Python:</strong> Harvard University (Mar 2023)</li>
            <li><strong>CS50X: Introduction to the Intellectual Enterprises of Computer Science and the Art of Programming:</strong> Harvard University (Feb 2023)</li>
        </ul>
    </section>
    <section class="languages">
        <h2>Languages</h2>
        <ul>
            <li><strong>English:</strong> Highly Proficient</li>
            <li><strong>Hindi:</strong> Native</li>
        </ul>
    </section>
  </div>
</body>
</html>
```

style.css

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: Arial, sans-serif;
}

body {
  line-height: 1.6;
  color: #333;
  padding: 20px;
  background-color: #f4f4f4;
}

.container {
  max-width: 800px;
  margin: auto;
```

```
    padding: 20px;
    background: #fff;
    box-shadow: 0 0 10px rgba(0,0,0,0.1);
}

header {
    text-align: center;
    margin-bottom: 20px;
}

header h1 {
    font-size: 2em;
    margin-bottom: 10px;
}

header p {
    font-size: 1em;
    color: #777;
}

header a {
    color: #333;
    text-decoration: none;
    margin: 0 10px;
}

header a:hover {
    text-decoration: underline;
}

section {
    margin-bottom: 20px;
}

h2 {
    font-size: 1.5em;
    border-bottom: 2px solid #333;
```

```
    padding-bottom: 5px;
    margin-bottom: 10px;
}

.edu-item, .project-item {
    margin-bottom: 15px;
}

ul {
    list-style: none;
}

ul li {
    margin-bottom: 5px;
}

.project-item ul li::before {
    content: "\2022";
    color: #333;
    font-weight: bold;
    display: inline-block;
    width: 1em;
    margin-left: -1em;
}

@media (max-width: 600px) {
    header h1 {
        font-size: 1.5em;
    }

    header p {
        font-size: 0.9em;
    }

    h2 {
        font-size: 1.2em;
    }
```

```
    ul li {
        font-size: 0.9em;
    }
}
```