Interactive Resume Webpage Report

Overview

This report analyzes and summarizes the structure, design, and functionality of an HTML/CSS resume webpage. The webpage is designed to showcase personal information, education details, skills, projects, and certifications in an interactive and visually appealing format.

Analysis

HTML Structure

The HTML document follows standard structure with doctype declaration, head section containing meta information and external resources, and body section containing visible content.

The content is organized into sections such as resume container, heading, page sections, and pop-up sections for additional details.

Semantic HTML elements like <header>, <main>, and <section> could enhance readability and accessibility.

CSS Styling

The CSS file contains custom styling for various elements, including global styles, color variables, animations, layout styles, and text/button styles.

Selectors are used efficiently to target specific elements and apply styling.

Comments are provided to explain the purpose of each section of CSS code, improving maintainability.

JavaScript Functionality

JavaScript functions are utilized for interactivity, such as displaying and hiding pop-up sections upon button clicks.

The functions are named appropriately and follow a consistent naming convention.

There is room for improvement in terms of code organization and structure for better readability and maintainability.

Design and User Experience

The design is visually appealing with a modern color scheme, animations, and hover effects.

Responsive design techniques are employed for optimal viewing across different devices and screen sizes.

The use of pop-up sections for additional details enhances user engagement and provides a seamless browsing experience.

External Resources

External resources such as Font Awesome and CDNJS are used to import additional CSS files for icons and libraries.

The usage of external resources is minimal, contributing to faster loading times and better performance.

Code:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <link
      rel="icon"
      type="image/png"
      href="https://seekicon.com/free-icon-download/star_32.svg"
    />
    <link
      rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
    />
    <!-- css -->
    <style>
      :root{
```

```css
  --color1:#0B0C10;

  --color2: #1F2833;

  --color3:#C5C6C7;

  --color4:rgb(43, 168, 240);

  --color5:#66FCF1;

  --color6:#45A29e;

}
*{

  padding: 0;

  margin: 0;

}
html{

  box-sizing: border-box;

  padding: 0;

  margin: 0;

}
body{

  min-height: 100vh;

  background-color: var(--color1);

}
.resume-container{

  display: flex;

  flex-direction: column;

  visibility: visible;


}
.heading{

  max-width: 100vw;

  padding-top: 5vh;

  display: flex;

  justify-content: center;

  flex-direction: column;

  align-items: center;
```

```css
        background-color:transparent;
        color: var(--color4)
}
.s1{
    display: flex;
    font-size: 2rem;
    animation-name: slide;
    animation-duration: 1.8s;
    animation-timing-function: ease-in;
    animation-iteration-count: 1;
}
.s11{
    display: flex;
    font-size: 1.8rem;
    animation-name: slide1;
    animation-duration: 1.8s;
    animation-timing-function: ease-in;
    animation-iteration-count: 1;
}
@keyframes slide {
    0%{
        transform: translateY(22vh);
        scale: 2;
        filter: brightness(110%);
    }

}
@keyframes slide1 {
    0%{
        transform: translateY(28vh);
        scale: 1.8;
        filter: brightness(110%);
    }
```

```css
    }

/* page */
.page{
    margin:10vh 1rem 5rem 1rem;
    padding: 10px;
    font-family: sans-serif,serif;
    display: inline-flex;
    flex-direction: row;
    flex-wrap: wrap;
    justify-content: space-evenly;
    gap:3rem;
    background-color: transparent;
    height: auto;
    max-width: 100vw;
    max-height: auto;
}
.sec{
    height: auto;
    width: 20rem;
    min-height: 22rem;
    border-radius: 10px;
    display: flex;
    flex-direction: column;
    padding: 1rem;
}
.sec:hover{
    scale: 1.1;
}
#sec1{
    background-color: var(--color3);
    box-shadow:0px 0px 10px 2px #a7cff7;
```

```css
    color: var(--color2);

    animation-name: glide;

    animation-duration: 1.7s;

    animation-timing-function: ease-in;

    animation-iteration-count: 1;

    animation-delay: 1.3;

}

@keyframes glide {

    0%{

        transform: translateY(-90vh);

        filter: brightness(110%);

    }

}

#sec2{

    background-color: var(--color2);

    color: var(--color3);

    box-shadow:0px 0px 10px 2px #42546b;

    animation-name: glide1;

    animation-duration: 1.7s;

    animation-timing-function: ease-in;

    animation-iteration-count: 1;

    animation-delay: 1.3;

}

@keyframes glide1 {

    0%{

        transform: translateY(150vh);

        filter: brightness(110%);

    }

}

#sec3{

    background-color: var(--color6);

    color: var(--color2);

    box-shadow:0px 0px 10px 2px #a7cff7;
```

```css
    animation-name: glide;

    animation-duration: 1.7s;

    animation-timing-function: ease-in;

}

.sec h1{

    font-size: 1.7rem;

    text-align: center;

    font-weight: bold;

}

.textbox{

    margin-top: 1rem;

    min-height: 7rem;

}

.desc{

    font-size: 1rem;

    font-style: italic;

}

.button-container{

    display: flex;

    align-items: center;

    justify-content: center;

}

button{

    margin-top: 1rem;

    width: 8rem;

    height: 2rem;

    font-size: 1rem;

    border-radius: 0.5em;

    border: none;

    padding: 4px;

}

button:hover{

    scale: 1.04;
```

```css
        transform: translateY(-2px);
}
#button:active{
        transform: translateY(2px);
        scale:0.9;
}
#info-btn{
        box-shadow: 0 0 7px 3px rgb(39, 25, 236);
        color: var(--color3);
        background-color: var(--color2);
}
#Edu-btn{
        box-shadow: 0 0 7px 3px rgb(0, 255, 242);
        color: white;
        background-color: var(--color4);
}
#Skills,#Certification, #Projects{
  box-shadow: 0 0 7px 3px rgb(186, 187, 189);
        color: var(--color1);
        background-color: rgb(184, 177, 177);
}


/* pop up */
.back{
        align-self: flex-end;
        box-shadow: 0 0 7px 3px rgb(226, 227, 231);
        color: var(--color1);
        background-color: rgb(184, 177, 177);
}
.details{
        visibility: hidden;
        display: flex;
```

```css
    align-items: center;

    width: auto;

    text-align: center;

    flex-direction: column;

    background: rgb(10 10 10 / 80%);

    box-shadow: 0px 4px 10px 6px rgba(198, 182, 223, 0.75);

    border-radius: 10px;

    padding: 30px;

    color: whitesmoke;

    position: absolute;

    top: 8rem;

    left: 1rem;

    right: 1rem;

 }
.education{

    visibility: hidden;

    display: flex;

    width: auto;

    flex-direction: column;

    background: rgb(10 10 10 / 80%);

    box-shadow: 0px 4px 10px 6px rgba(198, 182, 223, 0.75);

    border-radius: 10px;

    padding: 30px;

    color: whitesmoke;

    position: absolute;

    top: 8rem;

    left: 1rem;

    right: 1rem;

}
.Skills{

    visibility: hidden;

    display: flex;

    width: auto;
```

```css
    flex-direction: column;

    background: rgb(10 10 10 / 80%);

    box-shadow: 0px 4px 10px 6px rgba(198, 182, 223, 0.75);

    border-radius: 10px;

    padding: 30px;

    color: whitesmoke;

    position: absolute;

    top: 8rem;

    left: 1rem;

    right: 1rem;

}
.ProjectsSec{

    visibility: hidden;

    display: flex;

    width: auto;

    flex-direction: column;

    background: rgb(10 10 10 / 80%);

    box-shadow: 0px 4px 10px 6px rgba(198, 182, 223, 0.75);

    border-radius: 10px;

    padding: 30px;

    color: whitesmoke;

    position: absolute;

    top: 8rem;

    left: 1rem;

    right: 1rem;

}
.ProjectsSec button{

    align-self: flex-end;

    box-shadow: 0 0 7px 3px rgb(226, 227, 231);

    color: var(--color1);

    color: whitesmoke;

}
.ProjectsSec button:hover{
```

```css
    filter: brightness(110%);

    transform: translateY(2px);

  }
  .certificate{

    visibility: hidden;

    display: flex;

    width: auto;

    flex-direction: column;

    background: rgb(10 10 10 / 80%);

    box-shadow: 0px 4px 10px 6px rgba(198, 182, 223, 0.75);

    border-radius: 10px;

    padding: 30px;

    color: whitesmoke;

    position: absolute;

    top: 8rem;

    left: 1rem;

    right: 1rem;

  }
  .btn-container{

    display: flex;

    justify-content: space-evenly;

  }
  .R-btn{

    box-shadow: 0 0 7px 3px rgb(41, 241, 58);

    color: var(--color1);

    background-color: var(--color5);

  }


  </style>
</head>
<body>
  <!-- full resume comtainer -->
  <div class="resume-container">
```

```html
<div class="heading">
  <h1 class="s1">Vizosul Natso</h1>
  <h2 class="s11">Software Developer</h2>
</div>
<div class="page">
  <div class="sec" id="sec1">
    <h1 class="p-heading">Pesonal Information</h1>
    <div class="textbox">
      <h2 class="desc">
        I am an enthusiastic and passionate programmer, who enjoy
        programming to the core. My curiosity and drive propelled me into
        the world of C, C++, Java, and beyond.
      </h2>
    </div>
    <div class="button-container">
      <button id="info-btn" onclick="displayPI()">Details</button>
    </div>
  </div>
  <div class="sec" id="sec2">
    <h1 class="p-heading">Education</h1>
    <div class="textbox">
      <h2 class="desc">
        Graduated from The National Institute of Engineering, Mysore.
        Specialized in Mechanical Engineering
      </h2>
    </div>
    <div class="button-container">
      <button id="Edu-btn" onclick="displayEducation()">Details</button>
    </div>
  </div>
  <div class="sec" id="sec3">
    <h1 class="p-heading">More Inforamtion</h1>
    <div class="textbox">
```

```html
    <h2 class="desc">

      My expertise is in Web development and Java. Further details of my

      Skills, Projects and Certification/Achievements are listed below

    </h2>

  </div>

  <div

    class="button-container"

    id="more"

    style="flex-direction: column"

  >

    <button id="Skills" onclick="displaySkills()">Skills</button>

    <button id="Projects" onclick=" displayProjects()">Projects</button>

    <button id="Certification" onclick="displayCA()">

      Certifications

    </button>

  </div>

</div>

</div>

</div>

<!-- pop up sections -->

<!-- Personal Details -->

<div class="details">

  <h2>

    Leadership roles and participation in community service have taught me

    the importance of vision, hard work, and the impact of giving back.

    These experiences have shaped me into a well-rounded individual who

    values innovation, accountability, and community. I'm on the lookout for

    opportunities that challenge me, allow for growth, and contribute

    positively to the organization and community at large.

  </h2>

  <br />

  <h2>Contact Details</h2>

  <h2>Email: vizonatso0@gmail.com</h2>
```

```html
      <br />

      <br />

      <pre><a href="https://www.linkedin.com/in/vizosulnatso/"><i class="fa-brands fa-linkedin fa-beat fa-2xl"
style="color: #B197FC;"></i></a>   <a href="https://github.com/Vizosul-Natso"><i class="fa-brands fa-github fa-2xl"
style="color: #B197FC;"></i></a></pre>

      <br />

      <button class="back" id="b1" onclick="b1()">Back</button>

    </div>

    <!-- Education -->

    <div class="education">

      <h1 style="text-align: center">Education Details</h1>

      <br />

      <b><h2>The National Institute of Engineering, Mysore (NIE)</h2></b>

      <h2>

        <i

          >Bachelor of Engineering in Mechanical Engineering 2023 (Percentage -

          61.3%)</i

        >

      </h2>

      <br />

      <b><h2>G.RIO School, Kohima</h2></b>

      <h2><i>Class XII (Percentage - 64.5%)</i></h2>

      <br />

      <b><h2>Alderville School, Kohima</h2></b>

      <h2><i>Class X (Percentage - 70%)</i></h2>

      <br />

      <div class="r-container">

        <a

          href="https://drive.google.com/file/d/1VJEpfL9yo_-AGhBRz2YyOUmi7btKHLc6/view?usp=drive_link"

          target="_blank"

          ><button class="R-btn">View CV</button></a

        >

        <a
```

```html
      href=" https://drive.usercontent.google.com/u/1/uc?id=1VJEpfL9yo_-
AGhBRz2YyOUmi7btKHLc6&export=download"

      download=""

      ><button class="R-btn">Download Cv</button></a
    >
  </div>

  <br />

  <button class="back" id="b2" onclick="b2()">Back</button>
</div>

<!-- Skills -->

<div class="Skills">
  <h1 style="text-align: center">Key Skills</h1>

  <br />

  <h2>
    <b>Programming Languages :</b><i>C, C++, Java, JavaScript</i>

    <br />

    <b>Database :</b><i>SQL, MySQL</i>

    <br />

    <b>Web Technologies :</b><i>HTML, CSS, BootStrap</i>

    <br />

    <b>Version Control : </b><i>Git, Github</i>

    <br />

    <b>Tools and Frameworks :</b
    ><i>JDBC, Hibernate, Servlets, Spring, Spring Boot, Postman</i>

    <br />

    <b>Soft Skills :</b
    ><i
      >Teamwork, Communication, Leadership, Adaptability, Problem-Solving</i
    >

    <br />
  </h2>

  <br />

  <button class="back" id="b3" onclick="b3()">Back</button>
</div>
```

```html
<!-- projects -->
<div class="ProjectsSec">
  <h1><b>Projects</b></h1>
  <br />
  <h1>Math Game</h1>
  <h2>
    A mathematical base game to test user knowledge on mathematics. Consist
    of timer and three difficulty levels. Utilize DOM for great UI
    experience.
  </h2>
  <a
    href="https://vizosul-natso.github.io/SimpleMathGame/"
    title="click here to view project"
    target="_blank"
    class="btns"
    ><button style="color: #0B0C10;">Check Out</button></a
  ><br />
  <h1>Calculator</h1>
  <h2>
    A calculator web application with basic arithmetic operations. It
    includes HTML for structure, CSS for styling and responsiveness, and
    JavaScript for functionality.
  </h2>
  <a
    href="https://vizosul-natso.github.io/basic_calculator/"
    title="click here to view project"
    target="_blank"
    class="btns"
    ><button style="color: #0B0C10;">Check Out</button></a
  >
  <br />
  <h1>Joke Teller</h1>
  <h2>
```

```html
      A bot joke teller designed with html,css and Js. Fetching jokes from an

      API, converts them to speech using the VoiceRSS API, and displays them

      on the webpage.

    </h2>

    <a

      href="https://vizosul-natso.github.io/Joke-Teller/"

      title="click here to view project"

      target="_blank"

      class="btns"

      ><button style="color: #0B0C10;">Check Out</button></a

    >

    <br />

    <h1>Quote Generator</h1>

    <h4 class="p-item">

      A responsive quote generator. Designed with web Technologies,the JS

      contains an array of quotes and JavaScript logic to display a random

      quote. Also facitity for sharing the quote on WhatsApp.

    </h4>

    <a

      href="https://vizosul-natso.github.io/QuoteGenerator/"

      title="click here to view project"

      target="_blank"

      class="btns"

      ><button style="color: #0B0C10;">Check Out</button></a

    >

    <br />

    <button class="back" id="b4" onclick="b4()">Back</button>

  </div>

  <!-- certifications -->

  <div class="certificate">

    <h1 style="text-align: center">Achievements and Certificaations</h1>

    <br />

    <h2>
```

```html
  • Achieved a certificate on The Complete Web Development Bootcamp

  through Udemy, gaining expertise in web technologies.
</h2>
<br />
<h2>

  • Completed a rigorous six-month course at NETTEC Computer Training

  Center, Kohima, to earn a comprehensive Certificate in Information

  Technology, focusing on C++ and Microsoft tools including MS Excel, MS

  PowerPoint, and MS Word
</h2>
<br />
<h2>

  • Successfully gained a Certificate from Udemy on Java 17 Masterclass.
</h2>
<br />
<h2>

  • Awarded Top Project at National Level and First Place at State Level

  in the National Children Science Congress, held in Jaipur National

  University
</h2>
<br />
<h2>

  • Orchestrated and managed a wide range of events as General Secretary

  of Northeast People Organization Mysore (2019-2020), ensuring flawless

  execution and seamless coordination for impactful community engagements

  and fundraisers.
</h2>
<br />
<button class="back" id="b5" onclick="b5()">Back</button>
</div>

<!-- script -->
<script>
```

```javascript
let mainContainer = document.getElementsByClassName('resume-container')[0];

let detailsPI = document.getElementsByClassName('details')[0];

let education = document.getElementsByClassName('education')[0];

let Skills = document.getElementsByClassName('Skills')[0];

let ProjectsSec = document.getElementsByClassName('ProjectsSec')[0];

let certificate = document.getElementsByClassName('certificate')[0];


function displayPI(){

    mainContainer.style.visibility = 'hidden';

    detailsPI.style.visibility = 'visible';

}
function b1(){

    mainContainer.style.visibility = 'visible';

    detailsPI.style.visibility = 'hidden';

}


function displayEducation(){

    mainContainer.style.visibility = 'hidden';

    education.style.visibility = 'visible';

}


function b2(){

    mainContainer.style.visibility = 'visible';

    education.style.visibility = 'hidden';

}


function displaySkills(){

    mainContainer.style.visibility = 'hidden';

    Skills.style.visibility = 'visible';

}


function b3(){

    mainContainer.style.visibility = 'visible';
```

```
        Skills.style.visibility = 'hidden';
}


function displayProjects(){
    mainContainer.style.visibility = 'hidden';
    ProjectsSec.style.visibility = 'visible';
}


function b4(){
    mainContainer.style.visibility = 'visible';
    ProjectsSec.style.visibility = 'hidden';
}


function displayCA(){
    mainContainer.style.visibility = 'hidden';
    certificate.style.visibility = 'visible';
}


function b5(){
    mainContainer.style.visibility = 'visible';
    certificate.style.visibility = 'hidden';
}
    </script>
  </body>
</html>
```

Conclusion

The HTML/CSS resume webpage effectively showcases the individual's professional information in an engaging and interactive manner. With some minor enhancements in code structure, accessibility, and performance optimization, the webpage can further improve its usability and user experience. Overall, it serves as a well-designed digital resume for potential employers or visitors to explore.