BCSE203E - Web Programming
Digital Assignment – I
Winter Semester 2023 – 2024
Topic: Develop Personal Portfolio

Objective:

Learn the fundamentals of web development by creating your personal website. This project will serve as your interactive resume/portfolio and introduce you to version control using GitHub.

Assignment Overview:

1. Create Your Personal Webpage:
   - Use a web application of your choice to design your personal webpage. Include sections about your education, skills, projects, and contact information.
   - Customize the design to reflect your personality and professional brand.
2. Version Control with GitHub:
   - Create a GitHub Repository to store your webpage files.
   - Learn the basics of Git commands to commit and push every change you make to the repository.
3. Step-by-Step Documentation:
   - Document each step from starting the webpage creation to the final deployment. Include the tools used, design choices made, and any challenges faced along the way.
4. Reflection on Learning:
   - Write down 10 key points you learned during this project. This might include insights on web design, coding, version control, problem-solving, etc.
5. The Importance of a Personal Webpage:
   - Reflect on why having a personal webpage is crucial in the modern digital world. Consider aspects like online presence, professional branding, and the ease of sharing your portfolio.
6. Deployment and Sharing:
   - Deploy your webpage using GitHub Pages (GitHub.io).
   - Share the link to your live website, the GitHub code repository, and screenshots of your webpage.

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Assignment Submission Data:
- Webpage Link: [Your Live Webpage]
- GitHub Repository: [Link to your repository]
- Documented Steps: [Attach your step-by-step documentation]
- Learning Reflections: [Attach your 10 learning points]
- Importance of Personal Webpage: [Your written reflection]
- Screenshots: [Attach screenshots of your webpage]

Evaluation Criteria:
- Creativity and personalization of the webpage design.
- Clarity and detail in the step-by-step documentation.
- Depth of reflection in the 10 learning points and the importance of a personal webpage.
- Successful deployment of the webpage on GitHub Pages.

Submission of Assignment:
- Due Date: Check VTOP
- Must upload in GitHub, Moodle and VTOP

Note:
- No plagiarism.
- The assignment must be on your own if you copied it from anywhere else. The marks will be awarded zero.
- While submitting the digital assignment, must follow the details.
    - On the first page your details
    - Second page GitHub Repo Link and GitHub Pages (github.io) link.
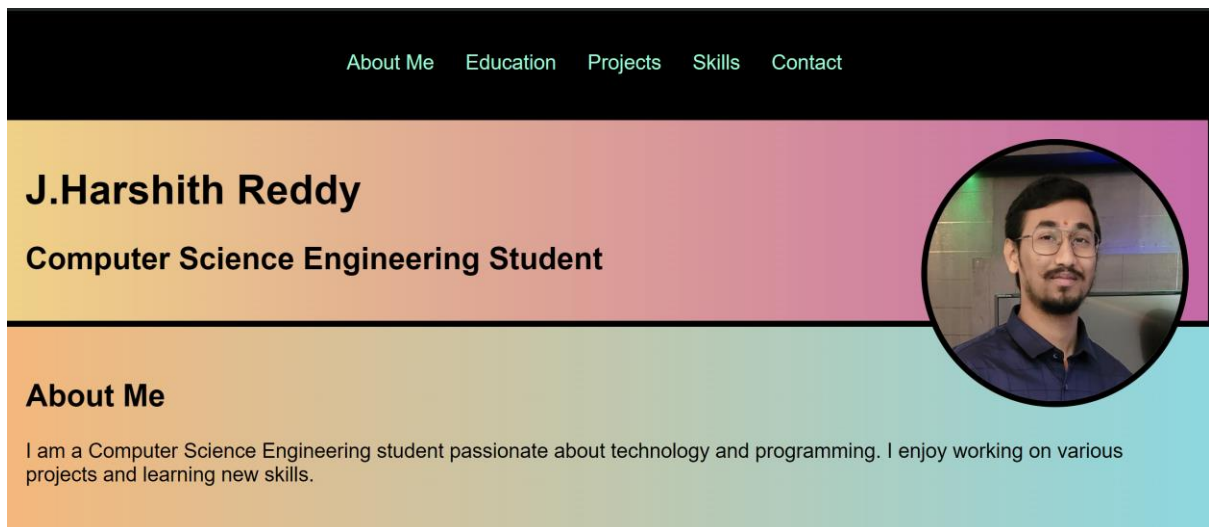   - Third-page table of the content

LINKS:

LIVE WEBPAGE LINK: https://jharshith.github.io/portfolio/portfoliolab.html

GitHub Repository Link: https://github.com/jharshith?tab=repositories

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SCREEN SHOTS

About Me   Education   Projects   Skills   Contact

J.Harshith Reddy

Computer Science Engineering Student

About Me

I am a Computer Science Engineering student passionate about technology and programming. I enjoy working on various projects and learning new skills.

Education

Intermediate in M.P.C

Sri Chaitanya Institute of Technology,Madhapur,Hyderbad

Bachelor of Technology in **Computer Science Engineering**

Vellore Institute of Technology , vellore, Tamilnadu,India

Year of Graduation: 2026

Projects

Project 1

Creating a Face recognition webpage

Project 2

Creating a Hand signaling Game controller software

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Skills

- Programming Languages: Java, Python, C,C++
- Web Development: HTML, CSS, JavaScript

Contact

Phone: 9381492043

Links:

E-mail: jangaharshithreddy@gmail.com

Github

linkedin

HTML, CSS , JAVA SCRIPT:

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


    <style>

        body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;



}



header, nav, section, footer {
```

```css
    padding: 15px;
}

header{
    background: linear-gradient(to right, #f2bc3db4, #c9429ad5);
    border:5px solid black;

}
#profile-photo {
    width: 200px;
    height: 200px;
    border-radius: 50%;
    overflow: hidden;
    float: right; /* Float the profile photo to the right */
    margin-left: 20px;
    border:5px solid black;

}

#profile-photo img {
    width: 100%;
    height: 100%;
    object-fit: cover;


}
nav{

  top: 0px;
  text-align: center;
  background-color: black;

  position: sticky;
  top: 0;
}


nav ul {
    list-style-type: none;
    padding: 0;

}

nav ul li {
    display: inline;
    margin-right: 20px;
```

```css
}

li
{
    color: aquamarine;



}

.about {
     /* Adjust colors as needed */
     background: linear-gradient(to right, #ff952cb4, #52d2dbd5);
    padding: 20px;


}


.pattern-bg {
    background:linear-gradient(to right,aquamarine,#c633cd);
    padding: 20px;
    border:5px solid black;
}

.image-bg {

    background-size: cover;
    background-position: center;
    background:linear-gradient(to right,rgb(230, 228, 117),#ea7c1cce);
    padding: 20px;


}

.solid-bg {
    /* Adjust color as needed */

    background: linear-gradient(to right, #e73c3cb4, #8f47d3d5);
    border:5px solid black;
    padding: 20px;
    position:relative;
    z-index: -1;
}



a {
    text-decoration: none;
    color: #000;
}
```

```css
a:hover {
    color: #555;
}

.project {

    margin-bottom: 20px;
}
#contact {
    background-color:black;
     color: aquamarine;
    padding-bottom: 250px; /* Adjust the value as needed */
}


footer {
    background-color: #333;
    color: #fff;

    text-align:center;
    position:static;
    bottom: 0;
    width: 100%;

}

.reveal
{
    position: relative;
    opacity: 0;
}

.reveal.active
{
    opacity: 1;
}
.active.fade-bottom
{
    animation: fade-bottom 2s ;
}
.active.fade-left
{
    animation: fade-left 3s;
}
.active.fade-right
{
    animation: fade-right 1s ease-in;
}
```

```css
@keyframes fade-bottom
{
    0%
    {
        transform: translateX(500px);
        opacity: 0;
    }
    100%
    {
        transform: translateX(0);
        opacity: 1;
    }
}
@keyframes fade-left
{
    0%
    {
        width: 0%;
    }
    100%
    {
    }
  }

@keyframes fade-right
{
    0%
    {
        transform: translateX(100px);
        opacity: 0;
    }
    100%
    {
        transform: translateX(0);
        opacity: 1;
    }
}
a{
    color:aquamarine;
}

@media (max-width: 992px) {
    #header .social-links {
        margin-top: 15px;
    }
}

li
```

```
{
    color: black;



}

    </style>
</head>
<body>
    <nav>
        <ul>
            <li><a href="#about">About Me</a></li>
            <li><a href="#education">Education</a></li>
            <li><a href="#projects">Projects</a></li>
            <li><a href="#skills">Skills</a></li>
            <li><a href="#contact">Contact</a></li>
        </ul>
    </nav>
    <header>

        <div id="profile-photo"  >
            <img src="C:\Users\janga\Desktop\html\prof.jpg" alt="Profile
Photo">
        </div>
        <div id="header-text" >
            <h1>J.Harshith Reddy </h1>
            <h2>Computer Science Engineering Student</h2>
        </div>
    </header>



    <section id="about" class="about ">
        <h2>About Me</h2>
        <p >I am a Computer Science Engineering student passionate about
technology and programming. I enjoy working on various projects and learning
new skills.</p>
    </section>

    <section id="education" class="solid-bg reveal fade-bottom">
        <h2>Education</h2>

        <p>Intermediate in M.P.C</p>
        <p><b>Sri Chaitanya Institute of Technology,Madhapur,Hyderbad</b></p>
        <br>
        <p>Bachelor of Technology in<b> Computer Science Engineering</b> </p>
        <p><b>Vellore Institute of Technology</b> , vellore,
Tamilnadu,India</p>
```

```html
        <p>Year of Graduation: 2026</p>
    </section>

    <section id="projects" class="image-bg reveal fade-bottom">
        <h2>Projects</h2>
        <div class="project">
            <h3>Project 1</h3>
            <p>Creating a Face recognition webpage</p>
        </div>
        <div class="project">
            <h3>Project 2</h3>
            <p> Creating a Hand signaling Game controller software</p>
        </div>
        <!-- Add more projects as needed -->
    </section>

    <section id="skills" class="pattern-bg reveal fade-bottom">
        <h2>Skills</h2>
        <ul>
            <li>Programming Languages: Java, Python, C,C++</li>
            <li>Web Development: HTML, CSS, JavaScript</li>

            <!-- Add more skills as needed -->
        </ul>
    </section>



    <section id="contact" class="contact reveal fade-bottom">

        <h2>Contact</h2>
        <p>Phone: <span style="color: aliceblue;">9381492043</span></p>
        <p style="color:#fff;"><b>Links:</b></p>
        <p>E-mail: <a style="color:lightblue;"
 href="jangaharshithreddy@gmail.com">  jangaharshithreddy@gmail.com
</a><br><br>


        <a style="color:lightblue;" href="https://github.com/jharshith">
Github  </a><br><br>
        <a style="color:lightblue;" href="https://www.linkedin.com/in/janga-
harshith-reddy-
29b822253?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medi
um=android_app">    linkedin    </a></p>



    </section>
```

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```html
    <footer>
        <p>&copy; 2024 J.Harshith Reddy</p>
    </footer>


    <script >
        function reveal()
{
    var reveals = document.querySelectorAll(".reveal");

    for (var i = 0; i < reveals.length; i++)
    {
        var windowHeight = window.innerHeight;
        var elementTop = reveals[i].getBoundingClientRect().top;
        var elementVisible = 50;

        if (elementTop < windowHeight - elementVisible)
        {
            reveals[i].classList.add("active");
        }
        else
        {
            reveals[i].classList.remove("active");
        }
    }
}
window.addEventListener("scroll", reveal);
    </script>
</body>
</html>
```

Learning Reflections:

1. Importance of HTML Structure: This project reinforced the significance of organizing HTML elements properly within the document structure to ensure readability and maintainability.

2. CSS Styling Techniques: Experimenting with CSS properties and selectors allowed me to enhance the visual appeal of the webpage, understanding the impact of various styles on layout and design.

3. Responsive Design: Implementing media queries for responsive design taught me how to adapt the layout and styling based on different screen sizes, ensuring a consistent user experience across devices.

4. CSS Animations: Learning about CSS animations and keyframes enabled me to add subtle yet engaging animations to elements on the webpage, enhancing user interaction.

5. JavaScript Event Listeners: Understanding event listeners in JavaScript helped me implement dynamic behaviors such as revealing content as the user scrolls down the page, improving user engagement.

6. Image Optimization: Optimizing images for the web by using proper file formats and dimensions helped in reducing page load times and improving overall performance.

7. Linking External Resources: Linking external resources such as images and stylesheets from the HTML document expanded my understanding of resource management in web development.

8. Semantic HTML: Emphasizing the use of semantic HTML elements like <header>, <nav>, <section>, and <footer> improved accessibility and search engine optimization (SEO) of the webpage.

9. Debugging Techniques: Troubleshooting CSS and JavaScript errors using browser developer tools enhanced my debugging skills, facilitating smoother development workflows.

10. Documentation and Comments: Adding comments and documentation within the code aided in understanding and maintaining the codebase, fostering collaboration and future development.

Importance of Personal Webpage:

Creating a personal webpage serves as a platform to showcase one's skills, projects, and experiences to potential employers, clients, or collaborators. It acts as a digital resume, allowing individuals to present themselves professionally and highlight their expertise in a visually appealing manner. A well-designed personal webpage can leave a lasting impression on visitors, helping them understand the individual's background, achievements, and capabilities. Moreover, it provides an opportunity for self-expression and creativity, allowing individuals to personalize their online presence according to their preferences. Overall, a personal webpage is a valuable tool for building a strong online presence, networking, and advancing one's career or personal goals in the digital age.