

# **PERSONAL PORTFOLIO WEBSITE**

## **INSTITUTIONAL TRAINING PROJECT REPORT**

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR  
THE AWARD OF THE DEGREE OF

**BACHELOR OF TECHNOLOGY**

Computer Science and Engineering

Specialization: Artificial Intelligence & Machine Learning



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Thank you!

VANSH ARORA

B.Tech CSE (Semester 5)

Specialization: Artificial Intelligence & Machine Learning

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## **ABSTRACT**

In the rapidly evolving digital landscape, having an online presence is no longer optional but necessary for professionals aiming to effectively showcase their expertise and achievements. This project centers around the development of a personal portfolio website, meticulously designed to highlight an individual's professional skills, accomplishments, and completed projects. The primary objective is to create a platform that not only captures the essence of the user's professional journey but also engages potential employers, collaborators, and clients through an aesthetically pleasing and highly intuitive user interface. The website is structured to emphasize career milestones while fostering seamless communication. It is built using cutting-edge web technologies, including HTML, CSS, and JavaScript, to ensure a robust, responsive, and visually captivating design. To enhance efficiency and maintain development integrity, version control tools like Git and GitHub were employed, enabling smooth collaboration and deployment. Key features of the website include a dynamic contact form that facilitates real-time communication, ensuring users can connect directly with potential clients or employers. The responsive design ensures compatibility across a range of devices, from desktops to smartphones, offering an optimal user experience regardless of screen size. The project's scalability and adaptability make it a versatile tool for long-term professional growth. Beyond its technical implementation, this project represents a step towards strengthening the user's digital identity and professional brand. It serves as a dynamic portfolio and a lasting testament to their technical expertise, effectively bridging the gap between their skills and the opportunities available in the competitive professional world. By integrating functionality with design, this portfolio website stands as a strategic tool for building connections, showcasing capabilities, and carving a distinct professional niche in the digital domain.

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# CHAPTER 1: INTRODUCTION

## 1.1 Background

In this digital world, having an online presence is essential for professionals to showcase their skills and accomplishments. A personal portfolio website is a digital resume, that helps individuals demonstrate their expertise and experience to potential employers, clients, and collaborators. This project aims to develop a portfolio website that efficiently highlights the user's professional background in a visually appealing and easy-to-navigate format.

## 1.2 Objectives

- Develop a personal portfolio website that is visually appealing and user-friendly.
- Create a versatile platform for long-term professional growth.
- Provide a digital showcase for professional skills, projects, and achievements.
- Include a dynamic contact form to enable direct communication with potential clients or employers.
- Ensure a responsive design for seamless access across all devices.

## 1.3 Scope

This project focuses on the development of the core website platform, including design, functionality, and content. It will not cover more advanced features such as backend integrations or complex database functionalities, with the primary focus on showcasing fundamental skills and completed projects. Future updates may involve adding such functionalities based on user feedback and evolving needs.

## 1.4 Methodology

The development of this portfolio website followed an agile approach, starting with the planning and design phases. Initially, the website structure and design were created using wireframes. The website was then implemented using HTML, CSS, and JavaScript to ensure a responsive and visually appealing interface. Git and GitHub were used for version control to manage the development process and ensure proper tracking of changes. The final phase included comprehensive testing for functionality, responsiveness, and user experience across devices, using browser developer tools and manual testing methods.

# CHAPTER 2: LITERATURE REVIEW

## 2.1 Overview of Related Works

Many personal portfolio websites include common sections like ‘About Me’ and ‘Projects,’ which provide a basic overview of an individual’s professional background. However, they often lack interactive features such as dynamic contact forms, which enable real-time communication, or responsive designs that ensure compatibility with various devices. This project aims to address these gaps by creating a clean and visually appealing interface with interactive sections, offering a better user experience compared to traditional portfolio websites.

## 2.2 Key Concepts and Definitions

- **Responsive Design:** A design approach that ensures the website layout automatically adjusts to fit screens of various sizes, including mobile phones, tablets, and desktops. This feature is critical to provide users with a seamless browsing experience regardless of the device they use.
- **Dynamic Contact Form:** A website feature that allows users to enter their details and send messages directly through the platform, without requiring external email applications. This interactive element improves user convenience and enhances communication efficiency
- **User-Friendly Design:** A design approach focused on creating an interface that is not only visually appealing but also easy to navigate. This ensures that users can quickly find the information they need and interact with the website intuitively.

# CHAPTER 3: TECHNOLOGY USED

## 3.1 Programming Languages and Frameworks

HTML5 was used to structure the content and layout of the website, ensuring a semantic and accessible design. CSS3 was employed to style and visually enhance the website, enabling animations, transitions, and responsive layouts. JavaScript provided interactivity, such as handling user inputs and dynamic updates. Additionally, SCSS (a preprocessor for CSS) streamlined the styling process by introducing variables, nesting, and modularity, making the codebase more efficient and maintainable.

## 3.2 Libraries and Tools

Git was utilized for version control, allowing efficient management and tracking of changes during the project development. GitHub served as the hosting platform for storing and sharing the project code, ensuring seamless collaboration and deployment.

## 3.3 Development Environment

The project was developed using Visual Studio Code, a powerful and versatile IDE. Its features, such as syntax highlighting, debugging tools, and seamless Git integration, significantly enhanced the development experience and productivity.

# CHAPTER 4: REQUIREMENTS AND SPECIFICATIONS

## 4.1 Functional Requirements

- The website must display distinct sections such as:
  - **About Me:** A brief overview of the user's professional background.
  - **Projects:** Showcasing completed work with descriptions and visuals.
  - **Contact:** Allowing users to reach out via a dynamic contact form.
- The contact form must enable users to submit their name, email, and message.
- The website must provide navigation links to access all sections seamlessly.

## 4.2 Non-functional Requirements

- The website must be responsive, ensuring compatibility with various screen sizes, including mobile, tablet, and desktop devices.
- The website should load within 3 seconds on a standard internet connection.
- The design must follow a consistent and visually appealing color scheme.
- The website must function correctly across modern browsers such as Chrome, Firefox, and Edge.
- The codebase should maintain readability and modularity, leveraging SCSS for streamlined styling.

## 4.3 System Architecture

- **Frontend:**
  - The website structure is built using **HTML5** for semantic and accessible content.
  - **CSS3** and **SCSS** are used for styling, with SCSS precompiled into CSS for maintainability.
  - **JavaScript** is implemented to handle interactivity and dynamic behavior.
- **Deployment:** The project is hosted on **GitHub Pages**, ensuring easy accessibility and version control integration.
- **Tools:** Development is carried out in **Visual Studio Code**, utilizing its extensions for syntax highlighting, debugging, and Git integration.

# CHAPTER 5: DESIGN AND IMPLEMENTATION

## 5.1 User Interface Design

- The user interface (UI) of the portfolio website was designed with a clean, minimalist approach to ensure both aesthetic appeal and usability. The layout follows a single-page design structure with distinct sections like "About Me," "Projects," and "Contact."
- **Color Scheme:** A modern and professional color palette was chosen to reflect the user's branding.
- **Typography:** The fonts used were clean and easy to read, with headings styled using the POPINS font family for clarity and emphasis.
- **Responsive Design:** The design was made responsive using CSS media queries to ensure compatibility across all devices. This allows the layout to adjust dynamically for mobile, tablet, and desktop devices.

## 5.2 Backend Logic and Data Handling

- While the project is front-end focused, the backend logic involves minimal data handling as no database is used in this portfolio. The main backend logic revolves around the dynamic handling of the contact form.
- **Form Submission:** The contact form uses JavaScript to validate user input (e.g., name, email, message) before submitting the form.
- **No Database:** Since the website does not require persistent data storage, the form data is handled temporarily in the browser. In a real-world scenario, this could be integrated with a backend service to send form data to an email or store it in a database.

## 5.3 Data Structures and Algorithms

- Given the nature of the project, complex data structures or algorithms were not necessary. However, a few simple data-handling mechanisms were implemented:
- **JavaScript Functions:** Basic functions were used to handle form validation and ensure the input meets the required format before submission.
- **Event Listeners:** Event listeners in JavaScript are used to track user interactions, such as clicking the submit button or filling out the contact form fields.

## 5.4 Input Validation and Error Handling

- Input validation and error handling are crucial to ensure data integrity and enhance user experience. For this project, JavaScript was used to validate user inputs in the contact form.
- **Validation:** The form checks for valid email addresses and ensures that all required fields (name, email, and message) are filled out before submission.

- **Error Handling:** If there is an issue with the input (e.g., an invalid email or missing field), an error message is displayed to the user, guiding them to correct the problem. Error messages are shown dynamically without refreshing the page.

# **CHAPTER 6: FEATURES AND FUNCTIONALITIES**

## **6.1 Viewing Projects**

The 'Projects' section of the website is designed for easy navigation. When hovering over a project, visitors can see the project name and a link to its GitHub repository. This minimalist interaction ensures a clean interface while directing visitors to detailed information about the project hosted on GitHub.

## **6.2 Managing Portfolio Content**

The content, such as projects and achievements, is managed manually by updating the HTML and CSS files. This method ensures flexibility in content management, allowing the user to make quick updates or add new projects as needed. In the future, integrating a content management system (CMS) could simplify this process, enabling easier updates without requiring code modifications.

## **6.3 Enhancements and Future Scope**

Future updates for this project may include the integration of a backend system for the contact form, allowing messages to be stored in a database or sent directly to an email. Additionally, features such as a blog section can be introduced to share insights, updates, or ongoing projects. These enhancements would increase interactivity and maintain the portfolio's relevance over time.

# CHAPTER 7: TESTING AND VALIDATION

## 7.1 Test Cases and Scenarios

Testing was conducted to ensure that the website functions properly and provides a seamless user experience. The following key tests were performed:

- **Contact Form Test:** Verified that the form collects user data (name, email, message) and displays appropriate error messages when required fields are not filled.
- **Responsiveness Test:** Tested the website on multiple devices, including mobile phones, tablets, and desktops, to ensure the layout adapts accordingly.
- **Navigation Test:** Checked all navigation links, ensuring that clicking on sections like "About Me," "Projects," and "Contact" correctly scrolls the page to the respective section.

## 7.2 Test Results and Analysis

All tests passed successfully:

- The **contact form** worked as expected, collecting the user's input and providing error messages if any required fields were left blank or improperly formatted.
- The **responsive design** was tested across different screen sizes, and the layout was adjusted properly on mobile, tablet, and desktop devices.
- The **navigation** functioned smoothly, with all links redirecting users to the correct sections on the page.

# CHAPTER 8: RESULTS AND DISCUSSION

## 8.1 Overview of the Project Outcomes

The development of the personal portfolio website was completed. The website now serves as a professional platform to showcase skills, projects, and achievements. The project was tested thoroughly, ensuring it functions correctly on various devices and browsers. All core features, including the contact form, project sections, and responsiveness, were implemented and tested as planned. The portfolio is fully responsive, adapting seamlessly to mobile, tablet, and desktop screens.

## 8.2 Comparison with Objectives

The main objectives of this project were to create a visually appealing, user-friendly portfolio website that effectively showcases professional skills and accomplishments. These goals were successfully achieved:

- The **design** of the website is clean, modern, and user-friendly, ensuring a positive user experience.
- The **contact form** functions properly, collecting information from users and displaying error messages when needed.
- The website is **responsive**, providing an optimal viewing experience across a range of devices.
- The **projects section** successfully displays and organizes the user's work, allowing easy access for potential employers or clients.

## 8.3 Lessons Learned and Challenges Faced

During the project, several challenges were encountered and valuable lessons were learned:

- **Challenge:** Ensuring the website was responsive across all devices was more difficult than anticipated. Fine-tuning the layout using media queries took time, especially to make sure all elements aligned properly.
  - **Lesson Learned:** I gained a deeper understanding of responsive design and how to use CSS to make websites adapt to various screen sizes.
- **Challenge:** Adding the dynamic contact form and ensuring it validated inputs correctly posed some issues, particularly with email validation.
  - **Lesson Learned:** I learned how to use JavaScript effectively for input validation and to improve user experience by providing clear error messages.
- **Challenge:** Managing content manually through HTML files proved to be time-consuming as the portfolio expanded.

- **Lesson Learned:** I realized the importance of considering a content management system (CMS) for more efficient management as the project grows.

## CHAPTER 9: CODE

## • 9.1 INDEX.HTML

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

<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <title>VANSHPORTRIO</title>
    <link rel="stylesheet" href="styles/style.css" />
    <link rel="preconnect" href="https://fonts.googleapis.com" />
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
    <link href="https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,400;0,500;0,600;0,700;0,800;1,400;1,500;1,600;1,700;1,800&display=swap" rel="stylesheet" />
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.6.0/css/all.min.css" integrity="sha512-Kc323yGBEqZTmouAEcnVceyQqyqdsSiqlQISBL29auWU4M7pSPA/gEUZQqv1cwX4OnYxTxve5UMg5GT6L4Jg==" crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>

<body class="main-content">
    <header class="section sec1 header active" id="home">
        <div class="header-content">
            <div class="left-header">
                <div class="h-shape"></div>
                <div class="image">
                    
                </div>
            </div>
            <div class="right-header">
                You, 3 months ago • style and structure updated
                <h1 class="name">
                    Hi, I'm <span>Vansh Arora</span>
                    A College Student.
                <h1>
                <p>
                    I'm a college student, I love to create beautiful web designs and functional websites. I have a passion for technology and love to explore new ideas and technologies. I am always looking for new opportunities and learning new things.
                </p>
            </div>
        </div>
    </header>
</body>
```

```
</p>
<div class="btn-con">
    <a href="resume.pdf" class="main-btn" target="_blank">
        <span class="btn-text">Download Resume </span>
        <span class="btn-icon"><i class="fas fa-download"></i> </span>
    </a>
</div>
</div>
</header>
<main>
    <section class="section sec2 about" id="about">
        <div class="main-title">
            <h2>About <span>me</span> <span class="bg-text">my stats</span></h2>
        </div>
        <div class="about-container"> You, 3 months ago • style and structure updated
            <h4 class="heading">Information About me </h4>
            <div class="Information">
                <p>
                    I am a 21-year-old from India, currently pursuing a Bachelor's degree in Computer Science with a specialization in Artificial Intelligence & Machine Learning. My passion for technology drives me to explore new ideas and innovations constantly.
                </p>
            </div>
        </div>
    </section>
</main>
```

```

50 |           drives me to explore new ideas and innovations constantly.
51 |           <p>
52 |           <p class="hidden-content">I am always on the lookout for new opportunities and love learning new
53 |           things. Besides my technical interests, I am an avid writer of
54 |           poems and stories, enjoying the art of storytelling and sharing my
55 |           creations with others. I also have a keen eye for capturing the
56 |           beauty of the natural world through photography. As an introvert,
57 |           I cherish my free time by listening to music and practicing
58 |           coding. I have a strong sense of humor and enjoy playing video
59 |           games and board games. Cooking and trying new recipes is another
60 |           passion of mine, with Indian food being my favorite to eat. My
61 |           dream is to create an AI like Jarvis from the Iron Man movies. I
62 |           aspire to become a billionaire by building a business empire and
63 |           making a significant impact on the world. I want to be part of
64 |           something big and meaningful, contributing to positive change and
65 |           innovation. My ultimate dream is to travel the world, explore
66 |           different universes, and find other species in the universe to
67 |           meet and learn from them, making these dreams a reality
68 |           </p>
69 |           <button id="see-more-btn"><i class="fa-solid fa-angle-down"></i> See More</button>
70 |       </div>
71 |       <hr />
72 |       <h4 class="heading">Education</h4>
73 |       <div class="education">
74 |           <div class="edu-item">
75 |               <div class="edu">
76 |                   <p>
77 |                       <strong>B.Tech CSE <br />
78 |                           Specialization <strong>: <br />AI & ML
79 |                       <br />
80 |                   </p>
81 |               </div>
82 |           </div>
83 |           <strong>Lamrin Tech Skills University <br />
84 |               Rupnagar,Punjab</strong>
85 |               <br />
86 |               2022 - 2026
87 |           </p>
88 |           </div>
89 |       </div>

```

```

|           <strong>Higher Secondary Certificate <br />
|               Stream:<br /></strong>
|               Non-medical
|               <br />
|               <strong>St. Soldier Sr. Sec. School <br />
|                   Nawanshahr,Punjab
|               </strong>
|               <br />
|               2021
|           </p>
|           </div>
|           <div class="edu">
|               <p>
|                   <strong>Matriculation</strong>
|                   <br />
|                   <strong>St. Soldier Sr. Sec. School <br />
|                       Nawanshahr,Punjab
|                   </strong>
|                   <br />
|                   2019
|               </p>
|           </div>

```

```
|   |   <div>
|   |   </div>
|   |   <hr />
|
|   |   <h4 class="heading">Skills</h4>
|   |   <div class="about-stats">
|   |       <div class="progress-bars">
|   |           <div class="progress-bar">
|   |               <p class="prog-title">HTML5</p>
|   |               <div class="progress-con">
|   |                   <p class="prog-text">85%</p>
|   |                   <div class="progress">
|   |                       <span class="html"></span>
|   |                   </div>
|   |               </div>
|   |           </div>
|   |       </div>
|   |       <div class="progress-bars">
|   |           <div class="progress-bar">
|   |               <p class="prog-title">CSS</p>
|   |               <div class="progress-con">
|   |                   <p class="prog-text">69%</p>
|   |                   <div class="progress">
|   |                       <span class="css"></span>
|   |                   </div>
|   |               </div>
|   |           </div>
|   |       </div>
|   |   <div class="progress-bars">
|   |       <div class="progress-bar">
```

```
<div class="progress-bars">
    <div class="progress-bar">
        <p class="prog-title">JavaScript</p>
        <div class="progress-con">
            <p class="prog-text">70%</p>
            <div class="progress">
                <span class="js"></span>
            </div>
        </div>
    </div>
    <div class="progress-bars">
        <div class="progress-bar">
            <p class="prog-title">MySQL</p>
            <div class="progress-con">
                <p class="prog-text">80%</p>
                <div class="progress">
                    <span class="MySQL"></span>
                </div>
            </div>
        </div>
    </div>
    <div class="progress-bars ">
        <div class="progress-bar">
            <p class="prog-title">Python</p>
            <div class="progress-con">
                <p class="prog-text">75%</p>
                <div class="progress">
                    <span class="python"></span>
                </div>
            </div>
        </div>
    </div>
```

```

        </div>
    <div class="progress-bars">
        <div class="progress-bar">
            <p class="prog-title">Github & Git</p>
            <div class="progress-con">
                <p class="prog-text">60%</p>
                <div class="progress">
                    <span class="git-github"></span>
                </div>
            </div>
        </div>
    <div class="progress-bars">
        <div class="progress-bar">
            <p class="prog-title">Microsoft Office</p>
            <div class="progress-con">
                <p class="prog-text">70%</p>
                <div class="progress">
                    <span class="ms-office"></span>
                </div>
            </div>
        </div>
    </div>
</section>

```

```

<section class="section sec3 project" id="project">
    <div class="main-title">
        <h2>
            MY <span>PROJECTS</span> <span class="bg-text">PROJECTS</span>
        </h2>
    </div>
    <div class="projects">
        <div class="project-item">
            <div class="image">
                
                <div class="hover-items">
                    <h3>Project Source</h3>
                    <h5>TO DO LIST</h5>
                    <div class="icons">
                        <a href="https://github.com/VanshArora16/HexSoftwares_To-Do-List_App" target="_blank">
                            <i class="fa-brands fa-github"></i>
                        </a>
                    </div>
                </div>
            </div>
        </div>
        <div class="project-item">
            <div class="image">
                
                <div class="hover-items">
                    <h3>Project Source</h3>
                    <h5>WEB MUSIC PLAYER</h5>
                    <div class="icons">
                        <a href="https://github.com/VanshArora16/HexSoftwares_Web_Music_Player" target="_blank">
                            <i class="fa-brands fa-github"></i>
                        </a>
                    </div>
                </div>
            </div>
        </div>
    </div>
</section>

```

```
</div>
</div>
</div>
<div class="project-item">
<div class="image">

<div class="hover-items">
<h3>Project Source</h3>
<h5>BOOK NEST</h5>
<div class="icons">
<a href="https://github.com/VanshArora16/HexSoftwares_BookNest" target="_blank">
<i class="fa-brands fa-github"></i>
</a>
</div>
</div>
</div>
<div class="project-item">
<div class="image">

<div class="hover-items">
<h3>Project Source</h3>
<h5>Automated Image Recognition System for Blood Cancer</h5>
<div class="icons">
<a href="https://github.com/VanshArora16/Blood-Cancer-Detection" target="_blank">
<i class="fa-brands fa-github"></i>
</a>
</div>
</div>
</div>
</div>
```

```
<div class="project-item">
<div class="image">

<div class="hover-items">
<h3>Project Source</h3>
<h5>ROCK PAPER SCISSORS</h5>
<div class="icons">
<a href="https://github.com/VanshArora16/ROCK-PAPER-SCISSORS-GAME" target="_blank">
<i class="fa-brands fa-github"></i>
</a>
</div>
</div>
</div>
<div class="project-item">
<div class="image">

<div class="hover-items">
<h3>Project Source</h3>
<h5>TIC TAC TOE</h5>
<div class="icons">
<a href="https://github.com/VanshArora16/TIC-TAC-TOE-GAME" target="_blank">
<i class="fa-brands fa-github"></i>
</a>
</div>
</div>
</div>
</div>
</section>
```

```
<section class="section sec4 contact" id="contact">
  <div class="contact-container">
    <div class="main-title">
      <h2>Contact<span>Me</span><span class="bg-text">contacts</span></h2>
    </div>
    <div class="contact-content-con">
      <div class="left-contact">
        <h4>Contact me here</h4>
        <p>
          | Connect with me via and call in to my account.
        </p>
        <div class="contact-info">
          <div class="contact-item">
            <div class="icon">
              | <i class="fas fa-map-marker-alt"></i>
              | <span>Location</span>
            </div>
            <p>
              | <span>: Punjab, India</span>
            </p>
          </div>
          <div class="contact-item">
            <div class="icon">
              | <i class="fas fa-envelope"></i>
              | <span>Email</span>
            </div>
            <p>
              | <span>: vansh4047@gmail.com</span>
            </p>
          </div>
        </div>
      </div>
    </div>
  </div>
```

```
</p>
</div>
<div class="contact-item">
  <div class="icon">
    | <i class="fas fa-user-graduate"></i>
    | <span>Education</span>
  </div>
  <p>
    | <span>: LTSU, Punjab</span>
  </p>
</div>
<div class="contact-item">
  <div class="icon">
    | <i class="fa-solid fa-phone"></i>
    | <span>Mobile Number</span>
  </div>
  <p>
    | <span>: +91 7340771632</span>
  </p>
</div>
<div class="contact-item">
  <div class="icon">
    | <i class="fa-solid fa-globe"></i>
    | <span>Languages</span>
  </div>
  <p>
    | <span>: English, Hindi, Punjabi</span>
  </p>
</div>
```

```

        </p>
    </div>

</div>
<div class="contact-icons">
    <div class="contact-icon">
        <a href="https://www.instagram.com/vansh16_404/">
            <span class="icon" target="_blank">
                <i class="fab fa-instagram"></i>
            </span>
        </a>
        <a href="https://www.linkedin.com/in/vansh-arora-b101872a1/">
            <span class="icon" target="_blank">
                <i class="fab fa-linkedin-in"></i>
            </span>
        </a>
        <a href="https://github.com/VanshArora16" class="icon" target="_blank">
            <span class="icon" target="_blank">
                <i class="fab fa-github"></i>
            </span>
        </a>
        <a href="https://x.com/16_Vansh_Arora" class="icon" target="_blank">
            <span class="icon" target="_blank">
                <i class="fa-brands fa-x-twitter"></i>
            </span>
        </a>
    </div>
    <div class="resume">
        <a href="resume.pdf" class="main-btn" target="_blank">
            <span class="btn-text">Download Resume</span>
            <span class="btn-icon"><i class="fas fa-download"></i></span>
        </a>
    </div>
</div>

```

```

</div>
<div class="right-contact">
    <form action="" class="contact-form">
        <div class="input-control i-c-2">
            <input type="text" required placeholder="YOUR NAME">
            <input type="email" required placeholder="YOUR EMAIL">
        </div>
        <div class="input-control">
            <input type="text" required placeholder="ENTER SUBJECT">
        </div>
        <div class="input-control">
            <textarea name="" id="" cols="15" rows="8" placeholder="Message Here..."></textarea>
        </div>
        <div class="btns">
            <div class="submit-btn">
                <button class="main-btn" type="submit" >
                    <span class="btn-text">Submit</span>
                    <span class="btn-icon"><i class="fas fa-paper-plane"></i></span>
                </button>
            </div>
        </div>
    </form>
</div>
</div>
</section>
</main>

```

```
<div class="controls">
    <div class="control control-1 active-btn" data-id="home">
        <i class="fa-solid fa-house"></i>
    </div>
    <div class="control control-2" data-id="about">
        <i class="fa-solid fa-user"></i>
    </div>
    <div class="control control-3" data-id="project">
        <i class="fa-solid fa-briefcase"></i>
    </div>
    <div class="control control-4" data-id="contact">
        <i class="fa-solid fa-envelope-open"></i>
    </div>
</div>

<div class="theme-btn">
    <i class="fas fa-adjust"></i>
</div>

<script src="scripts/See More.js"></script>
<script src="scripts/script.js"></script>
</body>| VanshArora16, 4 months ago • added all files
</html>
```

- **9.2 STYLE.CSS**

```
You, 18 seconds ago | 1 author (You)
+ You, 3 months ago * style and structure updated
margin: 0;
padding: 0;
box-sizing: border-box;
list-style: none;
}

.root {
--color-primary: #191d2b;
--color-secondary: #222E36;
--color-white: #FFFFFF;
--color-black: #000000;
--color-grey0: #F5F5F5;
--color-grey1: #D8D8D8;
--color-grey2: #B2B2ECD;
--color-grey3: #A6C7E8;
--color-grey4: #454e56;
--color-grey5: #2A2E35;
--color-grey6: #12181b;
--br-sm-2: 14px;
--box-shadow-1: 0 3px 15px rgba(0, 0, 0, .3);
}

.light-mode {
--color-primary: #F5F5F5;
--color-secondary: #F5E692;
--color-white: #454e56;
--color-black: #000000;
--color-grey0: #F5F5F5;
--color-grey1: #D8D8D8;
--color-grey2: #B2B2ECD;
--color-grey3: #A6C7E8;
--color-grey4: #454e56;
--color-grey5: #2A2E35;
--color-grey6: #12181b;
}

body {
background-color: var(--color-primary);
font-family: "Poppins", sans-serif;
font-size: 1.1rem;
color: var(--color-white);
transition: all 0.4s ease-in-out;
}

a {
display: inline-block;
text-decoration: none;
color: inherit;
font-family: inherit;
}

header {
height: 100vh;
color: var(--color-white);
overflow: hidden;
}

section {
min-height: 100vh;
width: 100%;
position: absolute;
left: 0;
top: 0;
padding: 3rem 18rem;
}

section {
transform: translateY(-100%) scale(0);
transition: all 0.4s ease-in-out;
background-color: var(--color-primary);
}
```

```
.sec1 {  
  display: none;  
  transform: translateY(0) scale(1);  
}  
  
.sec2 {  
  display: none;  
  transform: translateY(0) scale(1);  
}  
  
.sec3 {  
  display: none;  
  transform: translateY(0) scale(1);  
}  
  
.sec4 {  
  display: none;  
  transform: translateY(0) scale(1);  
}  
  
.active {  
  display: block;  
  animation: scaleAnim 1s ease-in-out;  
}  
@keyframes scaleAnim {  
  0% {  
    transform: translateY(-100%) scaleY(0);  
  }  
  100% {  
    transform: translateY(0) scaleY(1);  
  }  
}  
  
.controls {  
  position: fixed;  
  z-index: 10;  
  bottom: 3rem;  
  top: 50%;  
  right: 3%;  
  display: flex;  
  flex-direction: column;  
  align-items: center;  
  justify-content: center;  
  transform: translateY(-50%);  
}  
.controls .active-btn {  
  background-color: var(--color-secondary) !important;  
  transition: all 0.4s ease-in-out;  
  animation: scaleAnim 0.9s ease-in-out;  
}  
.controls .active-btn i {  
  color: var(--color-white) !important;  
}  
@keyframes scaleAnim {  
  0% {  
    transform: translateY(-100%) scaleY(0);  
  }  
  100% {  
    transform: translateY(0) scaleY(1);  
  }  
}  
.controls .control {  
  padding: 1rem;  
  cursor: pointer;  
  background-color: var(--color-gray-4);  
  height: 55px;  
  border-radius: 50%;  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  margin: 0.7rem 0;  
  box-shadow: var(--box-shadow-1);  
}  
.controls .control i {  
  font-size: 1.2rem;  
  color: var(--color-gray-2);  
}
```

```
        pointer-events: none;
    }

    theme-btn {
        top: 5%;
        right: 3%;
        width: 70px;
        height: 70px;
        border-radius: 50%;
        background-color: var(--color-secondary);
        color: var(--color-white);
        cursor: pointer;
        position: fixed;
        display: flex;
        justify-content: center;
        align-items: center;
        box-shadow: 0 3px 15px rgba(0, 0, 0, 0.3);
        transition: all 0.1s ease-in-out;
    }
    theme-btn.active {
        transform: translateY(-5px);
    }
    theme-btn i {
        font-size: 1.4rem;
        color: var(--color-gray-2);
        pointer-events: none;
    }

    header-content {
        display: grid;
        grid-template-columns: repeat(2, 1fr);
        height: 100%;
    }
    header-content.left-header {
        display: flex;
        align-items: center;
        position: relative;
    }
    header-content.left-header.h-shape {
        transition: all 0.4s ease-in-out;
        width: 65%;
        height: 100%;
        background-color: var(--color-secondary);
        position: absolute;
        left: 0;
        top: 0;
        z-index: -1;
        -webkit-clip-path: polygon(0 0, 46% 0, 79% 100%, 0% 100%);
        clip-path: polygon(0 0, 46% 0, 79% 100%, 0% 100%);
    }
    header-content.left-header.image {
        border-radius: 70%;
        height: 85%;
        width: 68%;
        margin-left: 4rem;
        background-color: var(--color-black);
        transition: all 0.4s ease-in-out;
        display: flex;
        justify-content: center; /* Horizontal centering */
        align-items: center; /* Vertical centering */
    }
    header-content.left-header.image img {
        align-items: center;
        width: 90%;
        align-self: center;
        -o-object-fit: cover;
        object-fit: cover;
        border-radius: 70%;
        transition: all 0.4s ease-in-out;
        filter: grayscale(100%);
        max-width: 100%; /* To make the image responsive */
        height: auto;
    }
    header-content.left-header.image img:hover {
        filter: grayscale(0);
    }
```

```
header-content right-header {
  display: flex;
  flex-direction: column;
  justify-content: center;
  padding-right: 18rem;
}
header-content right-header name {
  font-size: 3rem;
}
header-content right-header name span {
  color: var(--color-secondary);
}
header-content right-header p {
  margin: 1.5rem 0;
  line-height: 2rem;
  text-align: justify;
}

main-title {
  text-align: center;
}
main-title h2 {
  position: relative;
  text-transform: uppercase;
  font-size: 3rem;
  font-weight: 700;
}
main-title h2 span {
  color: var(--color-secondary);
}
main-title h2 .bg-text {
  position: absolute;
  top: 50%;
  left: 50%;
  color: var(--color-grey-5);
  transition: all 0.4s ease-in-out;
  z-index: -1;
  transform: translate(-50%, -50%);
  font-weight: 800;
  font-size: 5rem;
}

.about-container {
  padding-top: 3.5rem;
  padding-bottom: 4rem;
}
.about-container heading {
  text-transform: uppercase;
  font-size: 1.4rem;
  text-align: center;
  padding: 1rem 0;
  position: relative;
}
.about-container heading::before {
  content: "";
  position: absolute;
  left: 50%;
  top: 0;
  width: 40%;
  height: 1px;
  background-color: var(--color-grey-5);
  transform: translateX(-50%);
}
.about-container Information {
  padding-right: 5rem;
  display: flex;
  flex-direction: column;
}
.about-container Information p {
  line-height: 2rem;
  padding: 1rem;
  color: var(--color-grey-1);
  text-align: justify;
}
```

```
        }
    .about-container .education {
        padding-right: 5rem;
        padding-left: 4rem;
        display: flex;
        justify-content: space-around;
        padding-top: 2.5rem;
        padding-bottom: 2.5rem;
        margin-bottom: 1.5rem;
        margin-top: 1rem;
    }
    .about-container .education .edu-item {
        width: 100%;
        display: flex;
        align-items: center;
        justify-content: space-around;
        margin-bottom: 1rem;
        padding: 1rem;
        flex-direction: row;
    }
    .about-container .education .edu-item .edu {
        border-radius: 24px;
        border: 2px solid var(--color-secondary);
        font-size: 1rem;
        margin-bottom: 1rem;
        margin-right: 31px;
        color: var(--color-gray-2);
        width: 100%;
        height: 245px;
        display: flex;
        align-items: center;
        justify-content: center;
    }
    .about-container .education .edu-item .edu p {
        text-align: center;
    }
    .about-container .education .edu-item .edu:hover {
        color: var(--color-gray-1);
        transform: translateY(-5px);
        background-color: var(--color-secondary);
        border: 1px solid var(--color-secondary);
        box-shadow: 3px 4px 15px □rgba(0, 0, 0, 0.32);
    }
}

.about-stats {
    padding-bottom: 2rem;
    padding-top: 3.5rem;
    display: grid;
    grid-template-columns: repeat(2, 1fr);
    gap: 2rem;
}
.about-stats .progress-bars {
    display: grid;
    grid-template-columns: repeat(2, 1fr);
    grid-gap: 2rem;
}
.about-stats .progress-bars .progress-bar {
    display: flex;
    flex-direction: column;
    justify-content: center;
}
.about-stats .progress-bars .progress-bar .progress-title {
    text-transform: uppercase;
    font-weight: 500;
}
.about-stats .progress-bars .progress-bar .progress-con {
    display: flex;
    align-items: center;
}
.about-stats .progress-bars .progress-bar .progress-con .prog-text {
    color: -var(--color-gray-2);
}
```

```
.about-stats .progress-bars .progress-bar .progress-con .progress span {
  position: absolute;
  top: 0;
  left: 0;
  width: 60%;
  height: 100%;
  background-color: var(--color-secondary);
  transition: all 0.4s ease-in-out;
}
.about-stats .progress-bars .progress-bar .progress-con .progress html {
  width: 85%;
}
.about-stats .progress-bars .progress-bar .progress-con .progress .css {
  width: 69%;
}
.about-stats .progress-bars .progress-bar .progress-con .progress .js {
  width: 70%;
}
.about-stats .progress-bars .progress-bar .progress-con .progress MySQL {
  width: 80%;
}
.about-stats .progress-bars .progress-bar .progress-con .progress python {
  width: 75%;
}
.about-stats .progress-bars .progress-bar .progress-con .progress git-github {
  width: 60%;
}
.about-stats .progress-bars .progress-bar .progress-con .progress ms-office {
  width: 70%;
}

.projects {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  grid-gap: 3rem;
  margin-top: 3rem;
}
.projects .project-item {
  position: relative;
  border-radius: 15px;
}
.projects .project-item img {
  width: 100%;
  height: 100%;
  -o-object-fit: cover;
  object-fit: cover;
  border-radius: 15px;
}
.projects .project-item .hover-items {
  width: 100%;
  height: 100%;
  background-color: var(--color-secondary);
  position: absolute;
  top: 0;
  left: 0;
  border-radius: 15px;
  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;
  opacity: 0;
  transform: scale(0);
  transition: all 0.4s ease-in-out;
}
.projects .project-item .hover-items h3 {
  font-size: 1.5rem;
  color: var(--color-white);
  margin-bottom: 1rem;
}
```

```
.projects .project-item .hover-items .icons {
background-color: var(--color-primary);
width: 50px;
height: 50px;
border-radius: 50%;
display: flex;
justify-content: center;
align-items: center;
margin: 0 0.2rem;
cursor: pointer;
transition: all 0.4s ease-in-out;
}
.projects .project-item .hover-items .icons i {
font-size: 2rem;
color: var(--color-white);
margin: 0 1rem;
}
.projects .project-item .hover-items .icons:hover {
background-color: var(--color-white);
}
.projects .project-item .hover-items .icons:hover i {
color: var(--color-primary);
}

.project-item:hover .hover-items {
opacity: 1;
transform: scale(1);
}

.contact-content-con {
display: flex;
padding-top: 3.5rem;
}
.contact-content-con .left-contact {
flex: 2;
}
.contact-content-con .left-contact h4 {
margin-top: 1rem;
font-size: 2rem;
text-transform: uppercase;
}
.contact-content-con .left-contact p {
margin: 1rem 0;
line-height: 2rem;
}
.contact-content-con .left-contact .contact-info .contact-item {
display: flex;
align-items: center;
justify-content: space-between;
}
.contact-content-con .left-contact .contact-info .contact-item p {
margin: 0.3rem 0 !important;
padding: 0 !important;
}
.contact-content-con .left-contact .contact-info .contact-item .icon {
display: grid;
grid-template-columns: 40px 1fr;
}
.contact-content-con .left-contact .contact-info .contact-item .icon i {
display: flex;
align-items: center;
font-size: 1.3rem;
}
.contact-content-con .left-contact .contact-icon {
display: flex;
margin-top: 2rem;
}
```

```
project > styles > style.css > ↗  
 @media screen and (max-width: 970px) {  
 .container {  
 padding: 2rem 6rem;  
 }  
.about-container .left-about {  
 padding-right: 0rem;  
 }  
.header-content {  
 grid-template-columns: repeat(1, 1fr);  
 padding-bottom: 0rem;  
 }  
.left-header h-shape {  
 display: none;  
 }  
.left-header image {  
 width: 90% !important;  
 margin: 0 auto !important;  
 }  
.right-header {  
 grid-row: 1;  
 padding-right: 0rem !important;  
 width: 90%;  
 margin: 0 auto;  
 }  
.right-header name {  
 font-size: 2.5rem !important;  
 text-align: center;  
 padding-top: 3rem;  
 }  
}  
 @media screen and (max-width: 700px) {  
 .container {  
 padding: 2rem 3rem;  
 }  
.about-stats .progress-bars {  
 grid-template-columns: repeat(1, 1fr);  
 }  
.about-container .right-about {  
 grid-template-columns: repeat(1, 1fr);  
 }  
.timeline {  
 grid-template-columns: repeat(1, 1fr);  
 }  
.main-title h2 {  
 font-size: 3rem;  
 }  
.main-title h2 span {  
 font-size: 3rem;  
 }  
.main-title h2 .bg-text {  
 font-size: 4rem;  
 }  
}  
 @media screen and (max-width: 768px) {  
 .header-content {  
 grid-template-columns: 1fr; /* Stack the columns */  
 text-align: center; /* Center-align the text on smaller screens */  
 }  
.header-content .left-header, .header-content .right-header {  
 width: 100%; /* Ensure the header takes full width */  
 }  
.header-content .right-header {  
 padding-right: 0; /* Remove padding on smaller screens */  
 }  
}  
 @media screen and (max-width: 600px) {  
 section {  
 padding: 2rem 1rem; /* Reduce padding */  
 }  
.controls {  
 bottom: 0; /* Move the navigation controls to the bottom */  
 width: 100%; /* Full width for controls */  
 }  
.control {  
 margin: 0.5rem 0.2rem; /* Smaller margins for the control buttons */  
 }  
}
```

```
}

@media screen and (max-width: 768px) {
  .header-content {
    grid-template-columns: 1fr; /* Stack the columns */
    text-align: center; /* Center-align the text on smaller screens */
  }
  .header-content .left-header, .header-content .right-header {
    width: 100%; /* Ensure the header takes full width */
  }
  .header-content .right-header {
    padding-right: 0; /* Remove padding on smaller screens */
  }
}

@media screen and (max-width: 600px) {
  section {
    padding: 2rem 1rem; /* Reduce padding */
  }
  .controls {
    bottom: 0; /* Move the navigation controls to the bottom */
    width: 100%; /* Full width for controls */
  }
  .control {
    margin: 0.5rem 0.2rem; /* Smaller margins for the control buttons */
  }
}
img {
  max-width: 60%; /* Ensure images do not overflow */
  height: auto; /* Maintain aspect ratio */
}

@media screen and (max-width: 600px) {
  h1, h2, h3 {
    font-size: 1.5rem; /* Reduce the size of headers */
  }
  p {
    font-size: 1rem; /* Adjust paragraph font size */
  }
}

@media screen and (max-width: 600px) {
  .main-btn {
    padding: 0.5rem 1rem;
  }
  .control {
    padding: 0.8rem;
    font-size: 1.1rem; /* Increase button size for touch */
  }
}
```

- **9.3 SEE MORE.JS**

```
1 document.getElementById('see-more-btn').addEventListener('click', function() { Va
2   const hiddenContent = document.querySelector('.hidden-content');
3   if (hiddenContent.style.display === 'none' || hiddenContent.style.display === '') {
4     hiddenContent.style.display = 'block';
5     this.innerHTML = '<i class="fa-solid fa-angle-up"></i> See Less';
6   } else {
7     hiddenContent.style.display = 'none';
8     this.innerHTML = '<i class="fa-solid fa-angle-down"></i> See More';
9   }
10 });
11 }
```

- **9.4 SCRIPT.JS**

```
const sections = document.querySelectorAll(".section"); //accessing all the elements having section class
const sectBtns = document.querySelectorAll(".controls"); //parent container of buttons
const sectBtn = document.querySelectorAll(".control"); // selecting all the btn having control
const allSections = document.querySelector(".main-content"); // selecting body

function pageTransition() {
  //This function manages the active state of buttons & displays the corresponding sections within a webpage.
  // button click active class
  for (let i = 0; i < sectBtn.length; i++) {
    sectBtn[i].addEventListener("click", function () {
      // selected the current btn having active class
      let currentBtn = document.querySelectorAll(".active-btn");

      // The class "active-btn" is removed from the current active button using the replace method
      currentBtn[0].className = currentBtn[0].className.replace("active-btn", "");

      // "active-btn" class is added to the clicked button
      this.className += ' active-btn';
    });
  }
}
```

```
// Section Active
allSections.addEventListener("click", (e) => {
    const id = e.target.dataset.id;
    if (id) {
        // remove selected from the other btns
        sectBtns.forEach((btn) => {
            btn.classList.remove('active');
        });

        // hide all other sections
        sections.forEach((section) => {
            section.classList.remove('active');
        });

        const element = document.getElementById(id);
        element.classList.add('active');
    }
})

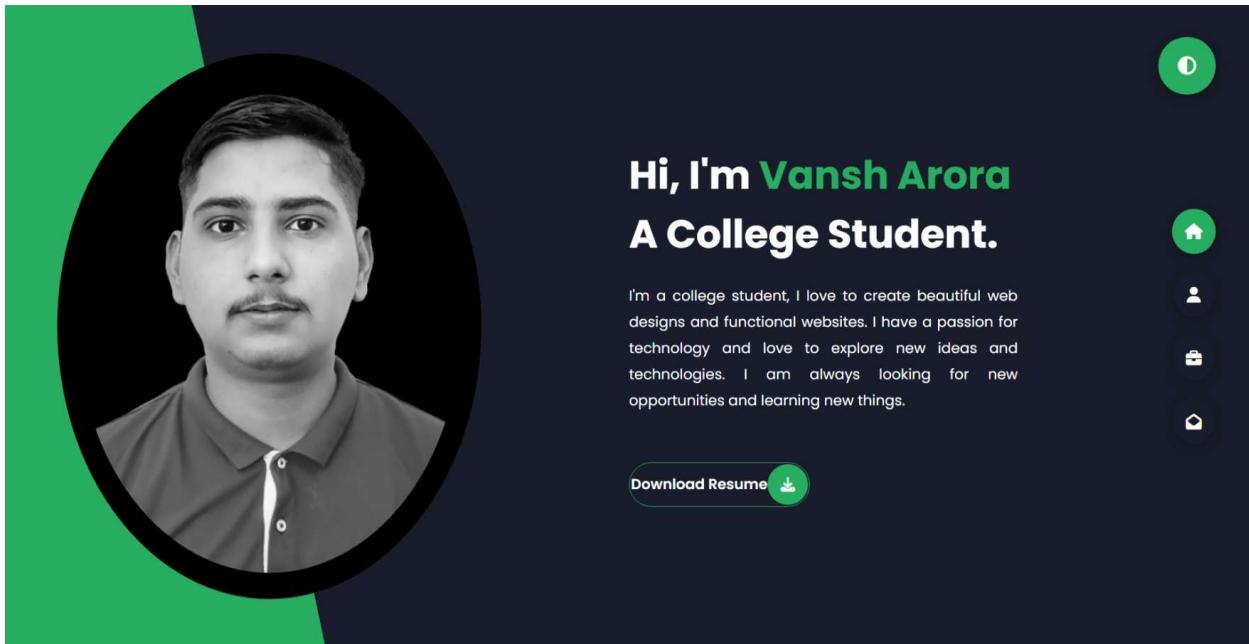
// toggle theme
const themeBtn = document.querySelector(".theme-btn");

themeBtn.addEventListener("click", () => {
    let element = document.body;
    element.classList.toggle("light-mode");
})

pageTransition();
```

# CHAPTER 10: SCREENSHOT OF PORTFOLIO WEBSITE

## HOME PAGE:

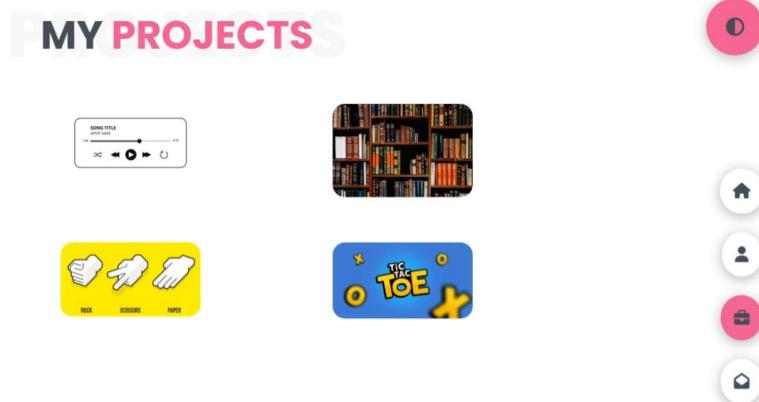
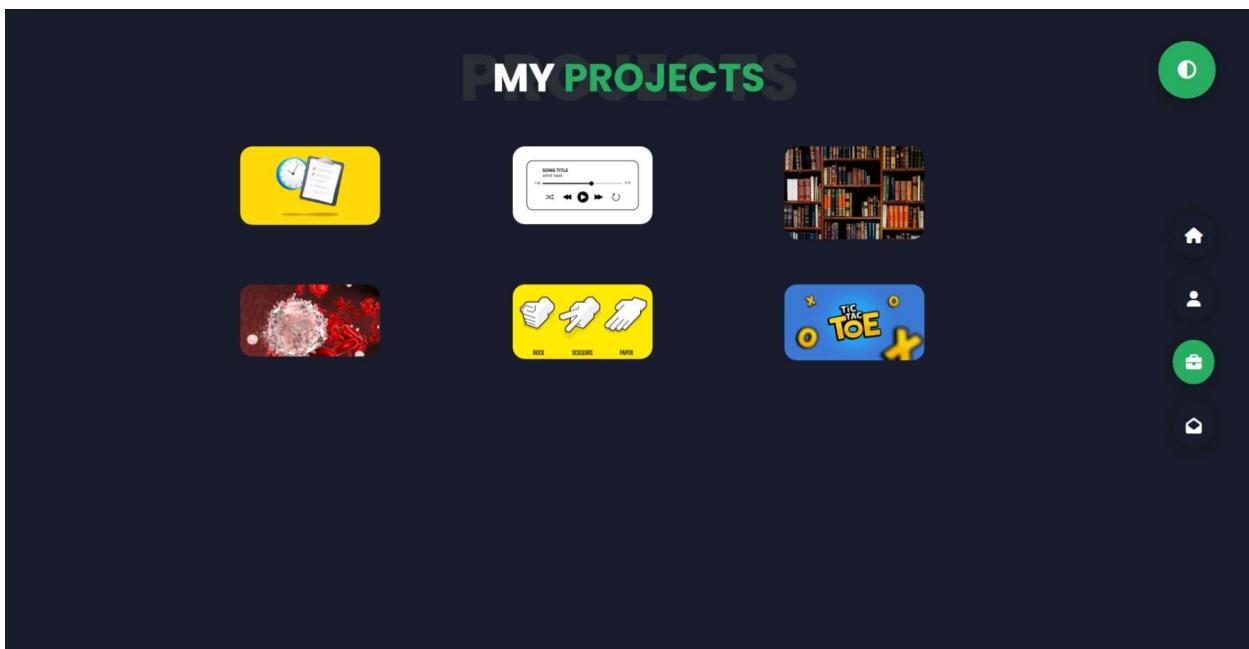


## ABOUT PAGE:

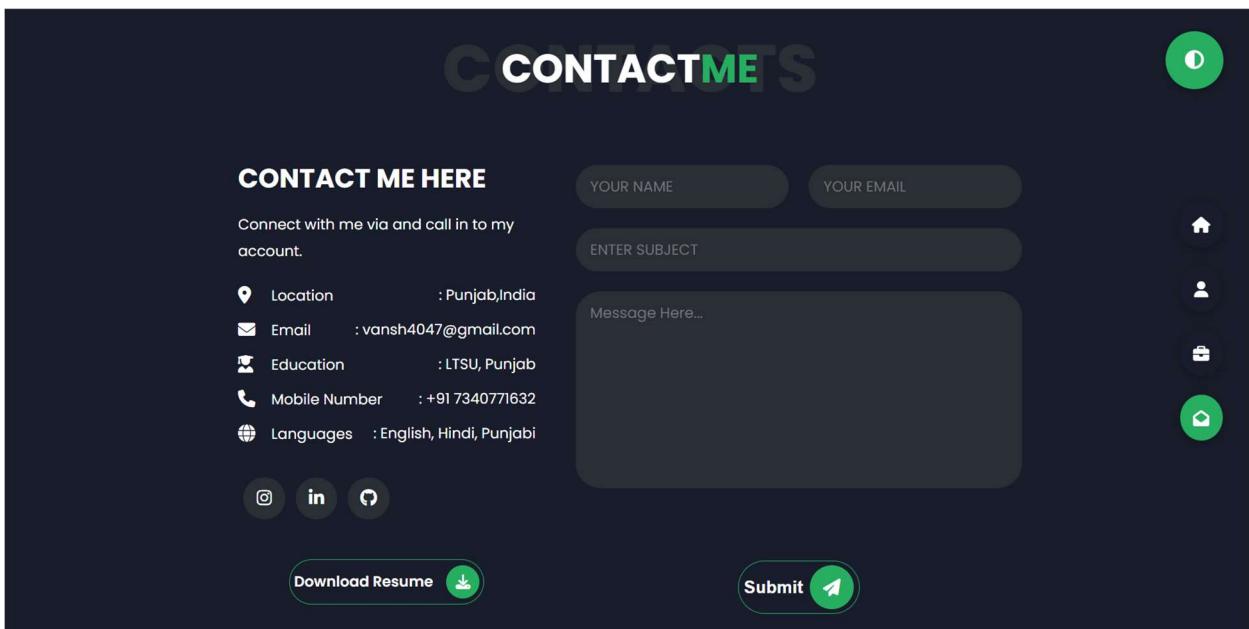
The screenshot shows a dark-themed resume website. At the top, the title "ABOUT ME" is displayed in a large, bold, white font. Below it, a section titled "INFORMATION ABOUT ME" contains a brief bio: "I am a 21-year-old from India, currently pursuing a Bachelor's degree in Computer Science with a specialization in Artificial Intelligence & Machine Learning. My passion for technology drives me to explore new ideas and innovations constantly." A "See More" button is located at the bottom right of this section. To the right of the bio are several circular icons: a home icon, a person icon, a mail icon, and a download icon. Below the bio, a horizontal line separates the bio from the "EDUCATION" section. The "EDUCATION" section features three rounded rectangular boxes with white backgrounds and black borders. The first box details a "B.Tech CSE Specialization: AI & ML" from "Lamrin Tech Skills University Rupnagar, Punjab" between 2022 - 2026. The second box details a "Higher Secondary Certificate Stream: Non-medical" from "St. Soldier Sr. Sec. School Nawanshahr, Punjab" in 2021. The third box details a "Matriculation" from "St. Soldier Sr. Sec. School Nawanshahr, Punjab" in 2019. Another horizontal line separates the education section from the "SKILLS" section. The "SKILLS" section displays five skills with corresponding progress bars: HTML5 (85%), CSS (69%), MySQL (80%), Github & Git (60%), and Microsoft Office (70%).

This screenshot shows a light-themed version of the same resume website. The overall color scheme is white and pink. The title "ABOUT ME" is at the top in a pink font. The "INFORMATION ABOUT ME" section is identical to the dark theme. The "EDUCATION" section also contains the same three boxes: B.Tech CSE (2022-2026), Higher Secondary Certificate (2021), and Matriculation (2019). The "SKILLS" section is identical to the dark theme, showing HTML5 (85%), CSS (69%), MySQL (80%), Github & Git (60%), and Microsoft Office (70%) with pink progress bars.

## PROJECT PAGE



## CONTACT PAGE



# CHAPTER 11: CONCLUSION

## 11.1 Summary of the Project

This project successfully resulted in the development of a personal portfolio website. It showcases my skills, projects, and professional achievements in a clean, responsive, and user-friendly interface. The website has been fully tested to ensure it meets the functional requirements and provides a positive user experience across multiple devices.

## 11.2 Contributions and Implications

This project has allowed me to apply and deepen my understanding of web development technologies, including HTML, CSS, JavaScript, and SCSS. It has also enhanced my skills in responsive design, user interface creation, and JavaScript validation. The portfolio website is now a part of my professional profile, serving as a testament to my technical abilities and an essential tool for connecting with potential employers or clients.

## 11.3 Future Work or Improvements

In the future, I plan to enhance the portfolio website by:

- Adding a backend for handling contact form submissions.
- Integrating a blog and certification section to provide ongoing content and project updates.
- Exploring CMS integration to simplify content management.

# CHAPTER 12: REFERENCES

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