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**PROJECT REPORT: PERSONAL PORTFOLIO WEBSITE**

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**SUBMITTED BY**

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- Ravi Singh

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**SUBMITTED TO**

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Graphic Era Hill University, Bhimtal Campus

In partial fulfilment of the requirements for the

Bachelor of Computer Applications (BCA), 4th Semester

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**1. ABSTRACT**

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This report details the development of a Personal Portfolio Website, a project undertaken as part of the 4th-semester curriculum for the Bachelor of Computer Applications program at Graphic Era Hill University. The primary objective of this project is to showcase our collective and individual skills in front-end web development. The website serves as a digital resume and a demonstration of our journey in learning HTML, CSS, and JavaScript. It features a main landing page that introduces the team and directs visitors to individual portfolio pages for each member.

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**2. INTRODUCTION**

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In today's digital age, a personal portfolio website is an essential tool for any aspiring tech professional. It provides a platform to showcase projects, skills, and experience to potential employers and collaborators. Our team, consisting of three passionate BCA students, decided to create a multi-page portfolio website to apply the theoretical knowledge gained in our coursework into a practical, real-world application. This project focuses on clean design, user-friendly navigation, and a clear presentation of our capabilities.

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**3. TEAM AND ROLES**

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The project was a collaborative effort, with tasks divided among the team members based on their interests and strengths:

\* Pranjal Nath Goswami:

\* Role: HTML & Content Creation

\* Responsibilities: Structured the main `index.html` page and his personal portfolio page (`pranjal.html`). Was responsible for writing and organizing the textual content, ensuring semantic HTML5 practices.

\* Ravi Singh:

\* Role: CSS & Styling

\* Responsibilities: Designed the visual layout and aesthetics of the website using CSS. Focused on creating a consistent theme, managing colors, fonts, and making the design responsive for different screen sizes. Handled the `style.css` file and styling for his page (`ravi.html`).

\* Rahul Singh Samant:

\* Role: JavaScript & Interactivity

\* Responsibilities: Tasked with adding dynamic and interactive elements to the website using JavaScript. This includes handling user events and potentially future features like form validation or animations. Responsible for `script.js` and interactivity on his page (`rahul.html`).

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**4. TECHNOLOGY STACK**

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This project is built using fundamental front-end web technologies:

\* HTML5: Used for creating the structure and content of the web pages.

\* CSS3: Used for styling the website, including layout, colors, typography, and responsive design. We utilized Google Fonts to enhance the visual appeal.

\* JavaScript (ES6+): Intended for adding interactivity to the website.

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**5. DESIGN AND IMPLEMENTATION**

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The website consists of a central landing page (`index.html`) and individual portfolio pages for each team member (`pranjal.html`, `ravi.html`, `rahul.html`).

**\* Home Page (`index.html`):**

\* Header: Contains the logo and navigation links to different sections of the page (About, Team, Contact).

\* Hero Section: A prominent section introducing the team.

\* About Section: Provides information about the team and the university.

\* Team Section: Features cards for each team member. Each card displays a profile picture, name, and role, and links to their individual portfolio page.

\* Contact Section: Includes contact information and call-to-action buttons.

\* Footer: Contains copyright information and links to professional profiles like GitHub and LinkedIn.

**\* Styling (`style.css`):**

\* A clean and modern design approach was taken.

\* The Poppins font family from Google Fonts is used for better readability.

\* A consistent color scheme and layout are maintained across the pages.

\* Flexbox and Grid are used for layout management, particularly in the team section.

\* The design is intended to be responsive, adapting to different device screens.

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**6. CONCLUSION**

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This project has been an excellent learning experience, allowing us to apply our knowledge of front-end technologies to a tangible project. We successfully created a functional and visually appealing portfolio website that meets the initial requirements. The process reinforced our understanding of HTML structure, CSS styling, and the importance of collaboration and version control.

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**7. FUTURE SCOPE**

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While the current version of the website serves its purpose, there are several potential enhancements for the future:

\* \*\*Advanced JavaScript Interactivity:\*\* Implement more dynamic features like smooth scrolling, animations on scroll, a theme switcher (light/dark mode), and a functional contact form with client-side validation.

\* \*\*Backend Integration:\*\* Add a backend (e.g., using Node.js or a serverless function) to handle the contact form submissions and store them in a database.

\* \*\*Individual Portfolio Enhancement:\*\* Each team member can further develop their personal page to include more detailed project descriptions, a blog, and more interactive elements.

\* \*\*Performance Optimization:\*\* Optimize images and code to ensure faster load times.