



COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATIC

UiTM , CAMPUS REMBAU.

BACHELOR OF SCIENCE INFORMATION (HONS) LIBRARY MANAGEMENT

BASIC WEB DESIGN AND CONTENT MANAGEMENT (IMS456)

INDIVIDUAL ASSIGNMENT

PROFESSIONAL DIGITAL PORTFOLIO

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1.0 INTRODUCTION

A personal website is one that focuses on a single person rather than a business, group, or brand. A personal website can be operated by an individual for a variety of reasons, most commonly classified as business, informational, or entertainment. Websites are used by some people to promote their careers, while others use them to communicate their interests and passions. A main page and many additional pages comprising additional material are typically seen on personal websites. These pages may contain blogs, projects, biographies, talents, and a host of other personal information. Many personal websites serve as some kind of resume. For example, authors will have a simple bio on their homepage, with some writing samples on the other sites.

Personal websites are another common way for artists to showcase their work. In the early stages of their careers, some performers would even post new songs or EPs on their website. Personal websites can also be used by certain persons to interact with other enthusiasts, purchasers, or potential customers. In order to track the number of visitors to their exhibit, artists can add guest books on the website. Furthermore, due to the independence they provide, many individuals choose personal websites. Unlike many other social networks, a personal website allows you to submit any kind of content and in any quantity. In general, you may make personal websites into anything you wish. The website will always focus on one individual and serve a certain function.

In the current digital age, exhibiting one's abilities, experiences, and career development requires an online presence. For this project, I have created a website for my own digital portfolio that functions as an interactive, all-inclusive online CV. This assignment's goal is to create a polished digital portfolio website that showcases my technological proficiency, academic background, extracurricular activities, and finished projects. In addition to being a tool for personal branding, my portfolio shows off my abilities to use the web design and content management techniques I've learnt during the course. The website also has key features such a responsive layout, interactive components, and optimisation tools, and it was created with HTML5, CSS3, and JavaScript.

2.0 OBJECTIVES

There are several objectives of this assignment which are:

1. To create a polished digital portfolio that successfully highlights my accomplishments, abilities, and academic background.
2. To use HTML5, CSS3, and JavaScript skills to create a website that is accessible, responsive, and interactive.
3. To improve internet visibility and personal branding for next career networking and job applications.

3.0 TOOLS AND TECHNOLOGY USED

Several tools and technologies were used during the development process to create a digital portfolio website that is both interactive and professional. Every tool has a distinct function in making sure the website is organised, aesthetically pleasing, easy to use, and responsive to different screen sizes. The following technologies and tools are employed:

- **HTML5**

The primary markup language used to organise the website's content was HTML5. Semantic tags were used to assist improved SEO (Search Engine Optimisation) techniques, increase accessibility, and organise material.

- **CSS3**

The website's visual layout was designed and styled using CSS3. Colour schemes, font styles, spacing, and other graphic components were applied using it. To make sure the website stays responsive and shows properly on various screen widths, CSS media queries were also added.

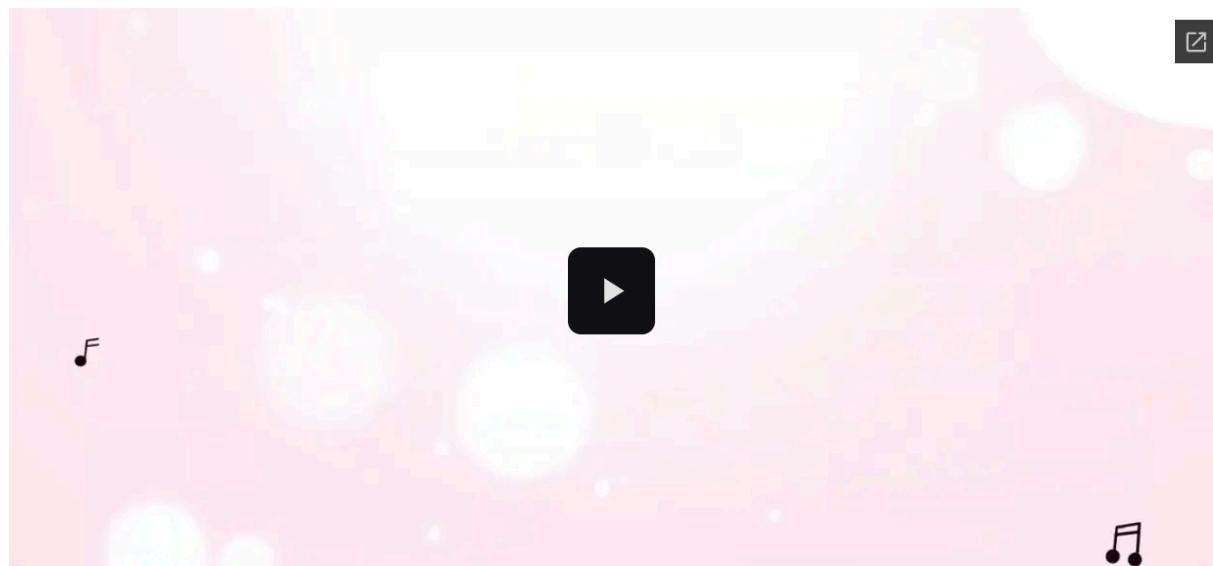


Image 1: Video elements in website

- **VS Code, or Visual Studio Code**

The primary integrated development environment (IDE) used during the website construction process was Visual Studio Code. Its features, such extensions, live server preview, and syntax highlighting, improved the organisation and efficiency of the development process.

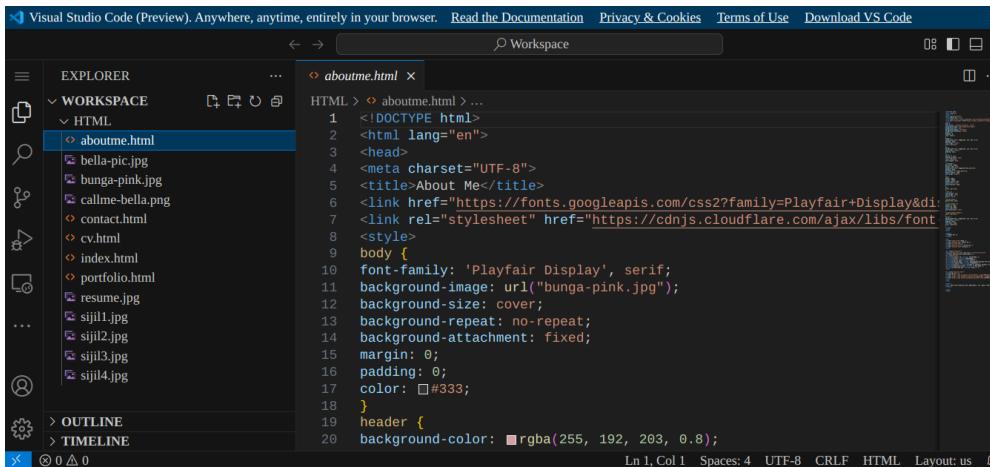


Image 2: Visual studio code page

- **Notepad++**

Notepad++ was sometimes used as a lightweight text editor to read raw HTML, CSS, and JavaScript files or make rapid adjustments. It was helpful for verifying fundamental code structure because of its ease of use and quick loading speed.

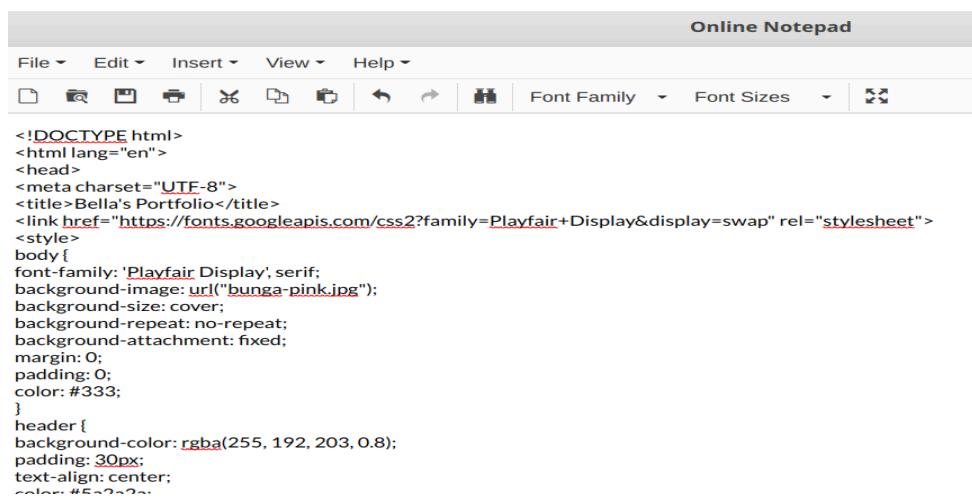
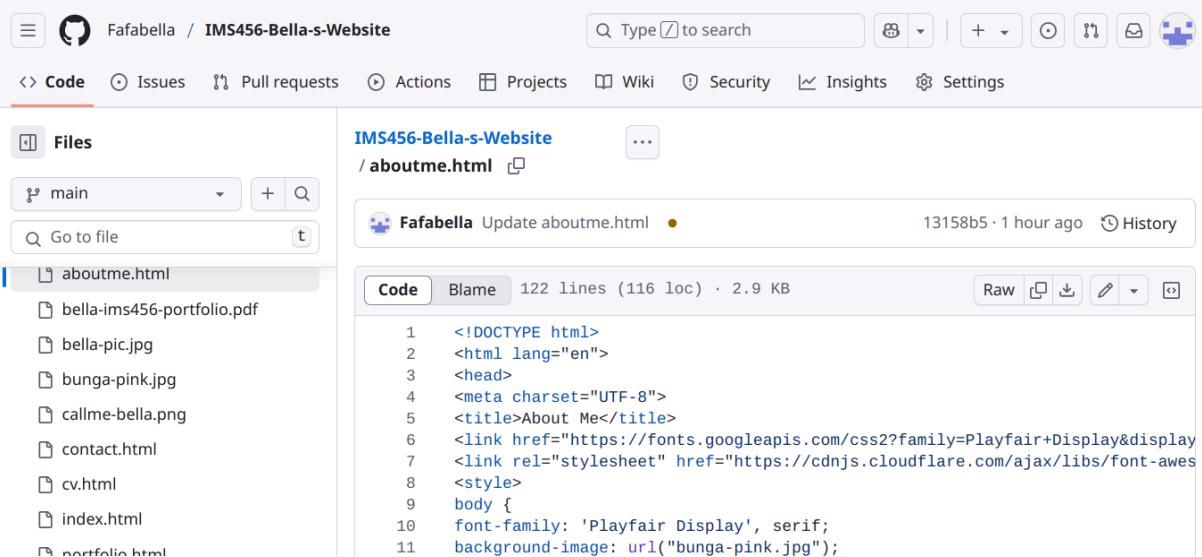


Image 3 : Online Notepad

- GitHub

The website files were managed and kept in an online repository using GitHub. Because it supported version control, code changes and backups could be safely tracked. Additionally, it made future publication opportunities through GitHub Pages possible.



The screenshot shows a GitHub repository interface for 'IMS456-Bella-s-Website'. The left sidebar lists files: main, aboutme.html (selected), bella-ims456-portfolio.pdf, bella-pic.jpg, bunga-pink.jpg, callme-bella.png, contact.html, cv.html, index.html, and portfolio.html. The right panel displays the content of 'aboutme.html'. The commit history shows a recent update by 'Fafabella' at 13158b5 · 1 hour ago. The code editor shows the following HTML:

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="UTF-8">
5  <title>About Me</title>
6  <link href="https://fonts.googleapis.com/css2?family=Playfair+Display&display=block">
7  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css">
8  <style>
9  body {
10    font-family: 'Playfair Display', serif;
11    background-image: url("bunga-pink.jpg");
```

Image 4: Github website publish

4.0 WEBSITE CONTENT

The systematic form of the digital portfolio website ensured that all of the requirements listed in the assignment guideline were met. In order to showcase various facets of the student's academic and professional path, each homepage is made with a consistent theme and easy-to-use navigation.

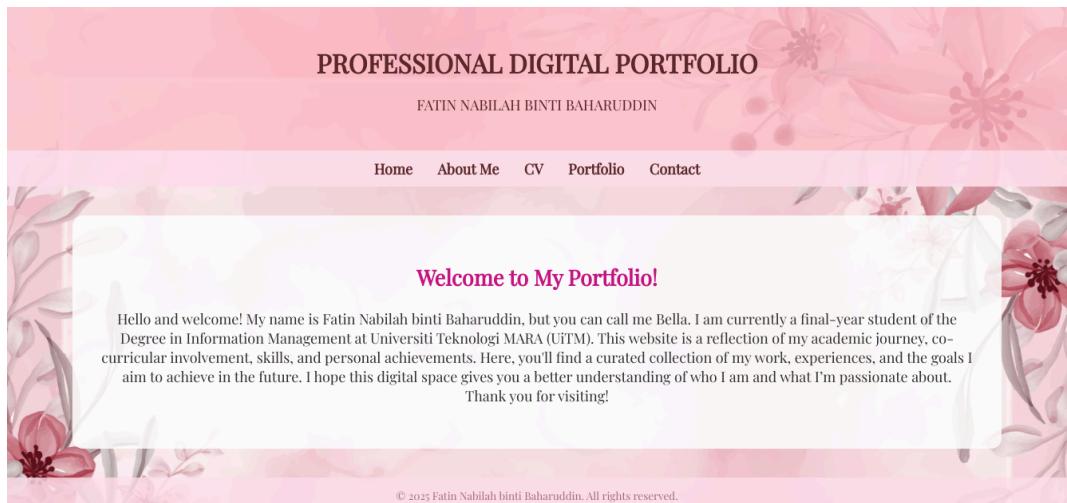


Image 5: Website Home Page

The homepage provides a warm welcome to visitors and introduces the student with a brief personal statement, name, and academic program. It sets the tone for the entire website and reflects the chosen design theme.

4.1 Personal & Professional Details

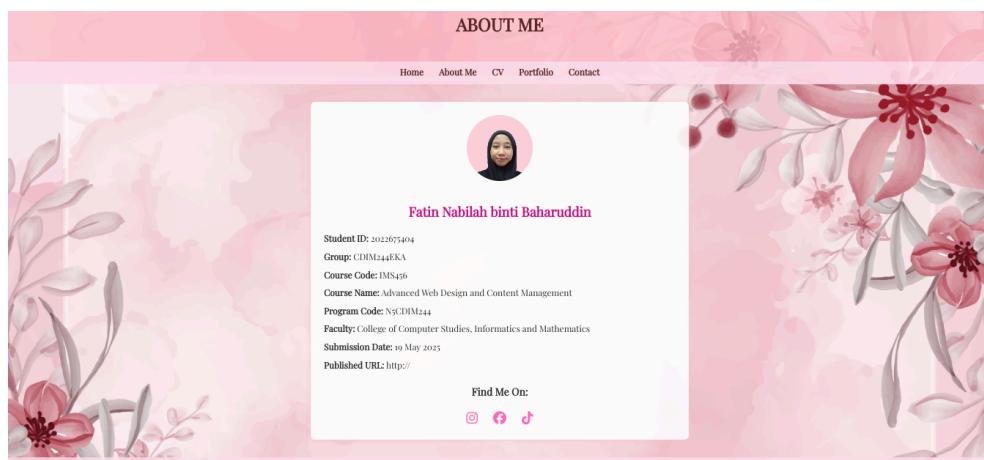


Image 6: About Me Webpage

A professional profile photo, course information, student ID, and complete name are among the important personal facts included in this part. An outline of the student's history, passions, and objectives is provided.

4.2 Curriculum Vitae (Cv)

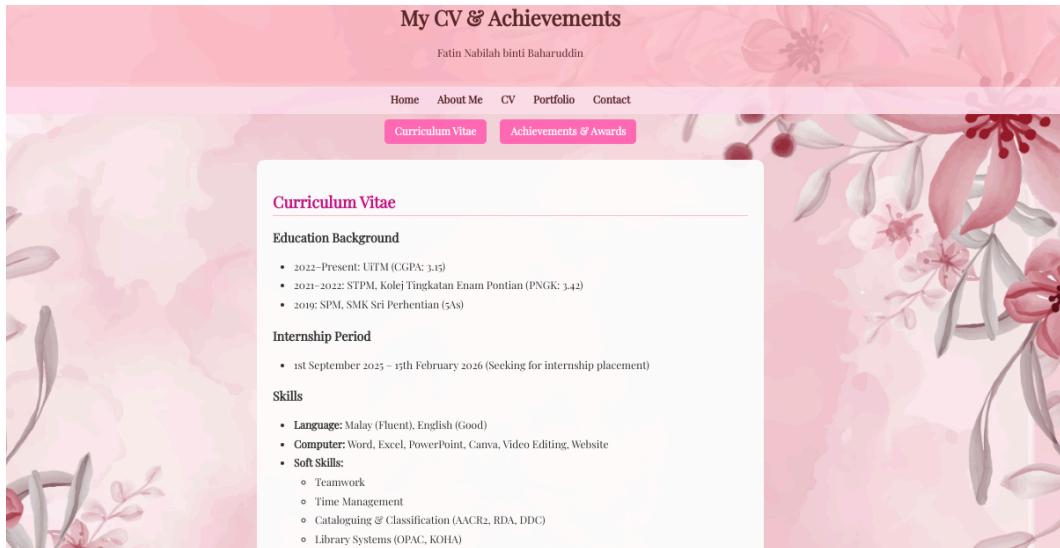


Image 7: Curriculum Vitae (CV) webpage

The student's educational history, technical and soft skills, language ability, and job or internship experiences are all presented on the CV page. To make it easier for prospective employers to evaluate, the material is arranged nicely.

4.3 Achievement And Award

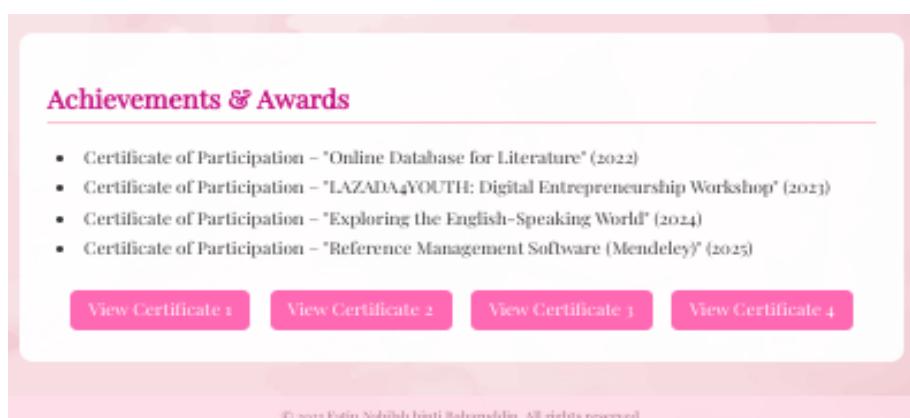


Image 8: Achievement webpage

The honours, certifications, and recognitions obtained during the course of the academic years are shown in this section.

4.4 Portfolio Of Work/Projects

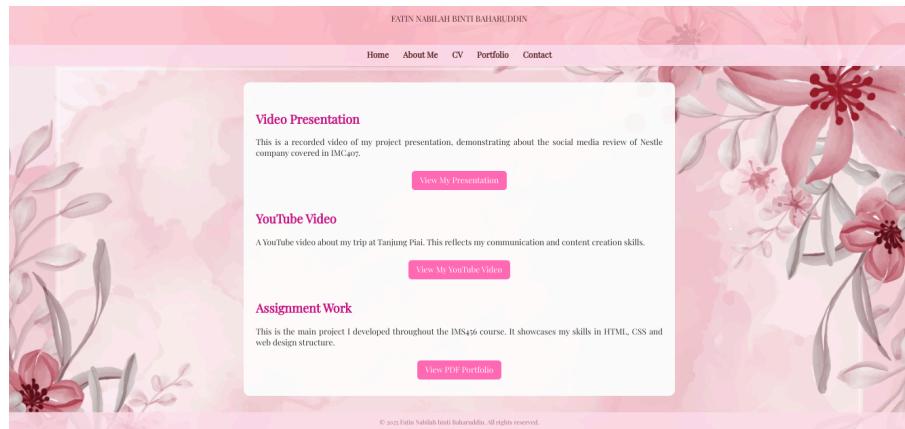


Image 9: Portfolio Webpage

A variety of academic projects and assignments are displayed on the portfolio page, together with multimedia components such as YouTube links and presentation videos. It serves as a digital repository for the student's output.

4.5 Contact Information

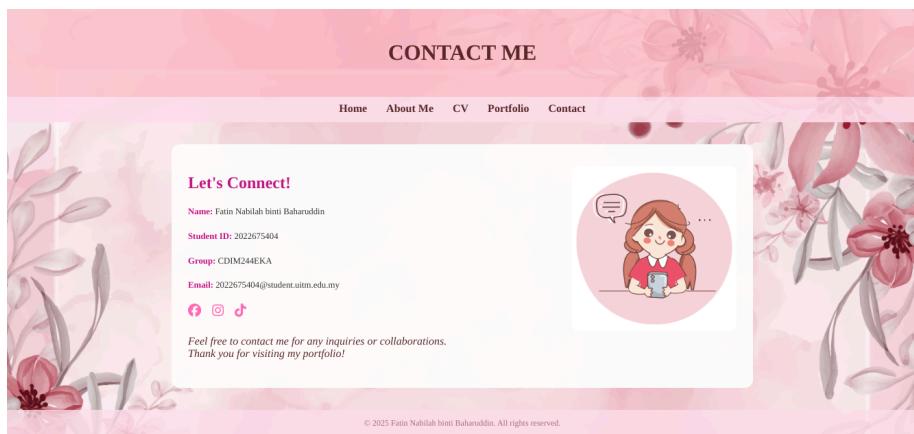


Image 10: Contact Webpage

The contact page makes it simple for users to get in touch by providing an email address, social network icons, and a working contact form.

5.0 DESIGN CONCEPT

- **Colour Theme: Soft Pink**

A delicate pink colour scheme was used in the website's design to convey a serene, refined, and feminine persona. This colour was selected to reflect the student's personality and to create a cosy, inviting atmosphere on the website. This color's constant application across the pages guarantees a unified visual experience and adds visual appeal to the information without being overwhelming.

- **Design of a Floral Background**

Freepik-sourced flower motifs were incorporated into the backdrop to improve the overall appearance. These flower accents were chosen to add a touch of gentleness and inventiveness while also balancing the pink motif. They contribute to the website's aesthetic appeal without detracting from its main content or sacrificing professionalism.

- **Navigation and Image Hover Effects**

Using JavaScript and CSS, the website has simple interactive features like hover effects for the photos and navigation menu. When visitors interact with various areas of the website, these effects give them visual feedback and make the user experience more dynamic. Subtle but powerful, the hover effects direct user attention and improve engagement.

- **GitHub and VS Code**

Visual Studio Code, a portable and effective text editor that supports HTML, CSS, and JavaScript, was used to carry out the coding process. It made code organisation obvious and debugging simpler. GitHub was also utilised to handle file storage and version control, providing an easily navigable platform for recording and monitoring changes made during the development process.

- **Pages of Content with Reliable Navigation**

For a seamless surfing experience, the website's header and navigation bar are the same on every page. Users may effortlessly navigate between sections because of the navigation menu's obvious visibility and consistency across all pages. The website looks more professional and is easier to use because of its uniform structure.

- **Video Elements of Projects and Assignments**

To display the student's academic work and chosen assignments, a special portfolio component was made. YouTube links, presentation videos, and other multimedia assets fall under this category. This part serves as a digital archive of the student's academic experience by showcasing their work and accomplishments in an orderly and easily accessible manner.

6.0 CHALLENGES FACED

A number of obstacles that called for critical thinking and problem-solving abilities were faced throughout the creation of the digital portfolio website. These tasks enhanced the students' comprehension of site design and content management while also putting their technical expertise to the test. Furthermore, making sure the website style was flexible and consistent across various screen sizes was one of the biggest concerns. Testing on various devices and modifying the layout components appropriately to preserve usability and aesthetics were necessary while implementing responsive design using CSS media queries.

Other than that, coding and verifying HTML and CSS presented another major obstacle. Even though the website's structure was well thought out, a few small problems needed to be fixed in order to satisfy the W3C Validator's validation requirements. The learner gained an understanding of the value of clear, semantic code for SEO and accessibility as a result of this procedure. It took a lot of effort to find appropriate background patterns and graphics that went with the website's theme. In order to locate exquisite floral patterns and images that went well with the delicate pink motif without making the pages look overly cluttered or amateurish, the student had to search through a variety of resources, including Freepik. Additionally, knowing how to upload files, compress the main folder, and connect assets appropriately were all necessary for publishing the website on a free hosting platform like Github. The student learnt the fundamentals of website deployment and was able to host the website live despite initial uncertainty.

7.0 CONCLUSION

In conclusion, creating this digital portfolio website has given me valuable and hands-on experience using my web design and content management talents. The student successfully developed a useful and aesthetically pleasing platform that represents both personal identity and career goals using HTML5, CSS3, and basic JavaScript.

In addition to providing a platform for showcasing extracurricular and academic accomplishments, this project functioned as a practical exercise to strengthen technical abilities such as website deployment, user interface layout, and responsive design. The student learnt about real-world programming techniques by experimenting with Visual Studio Code, GitHub, and HTML, while Freepik improved the website's artistic style.

Most significantly, this personal website now functions as an engaging and dynamic digital CV that can be accessed by potential employers, partners, or educational institutions. It serves as a symbol of the student's path and future possibilities in the digital industry. The entire process of creating the website from the ground up has given the student more confidence to tackle related web-based assignments and has given them a solid basis for future projects.

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APPENDIX

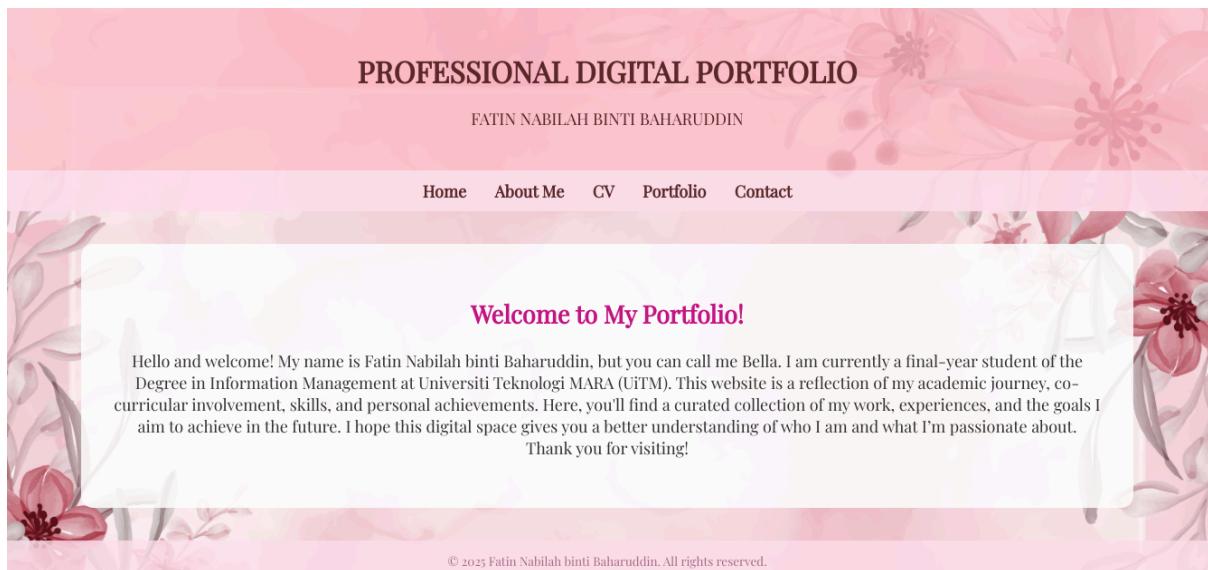


Image 1: Homepage Website

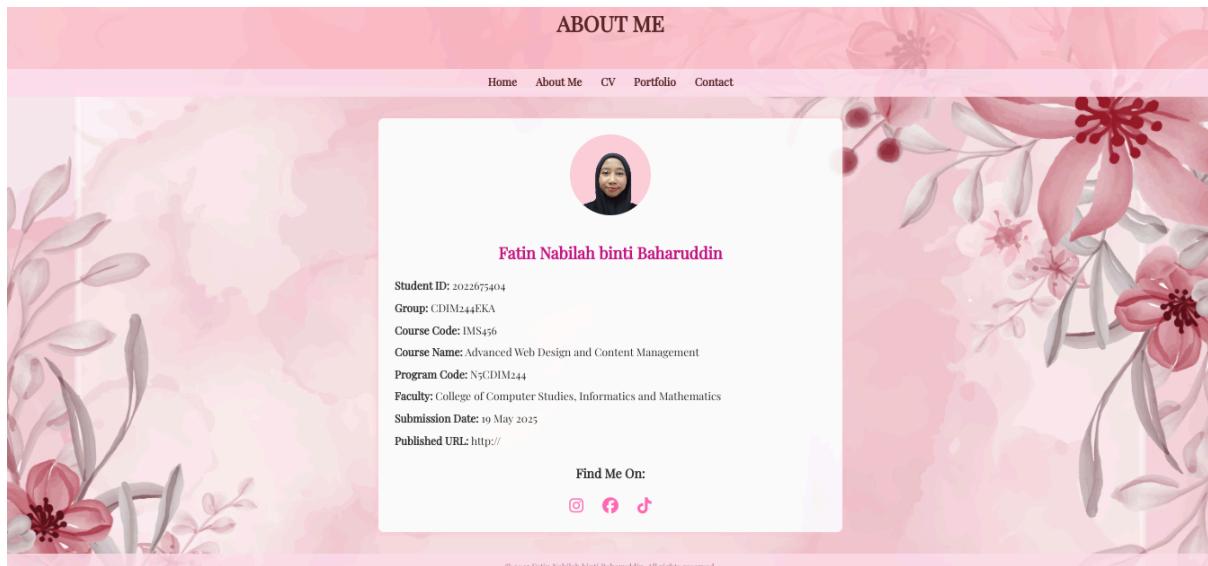


Image 2: About Me Webpage

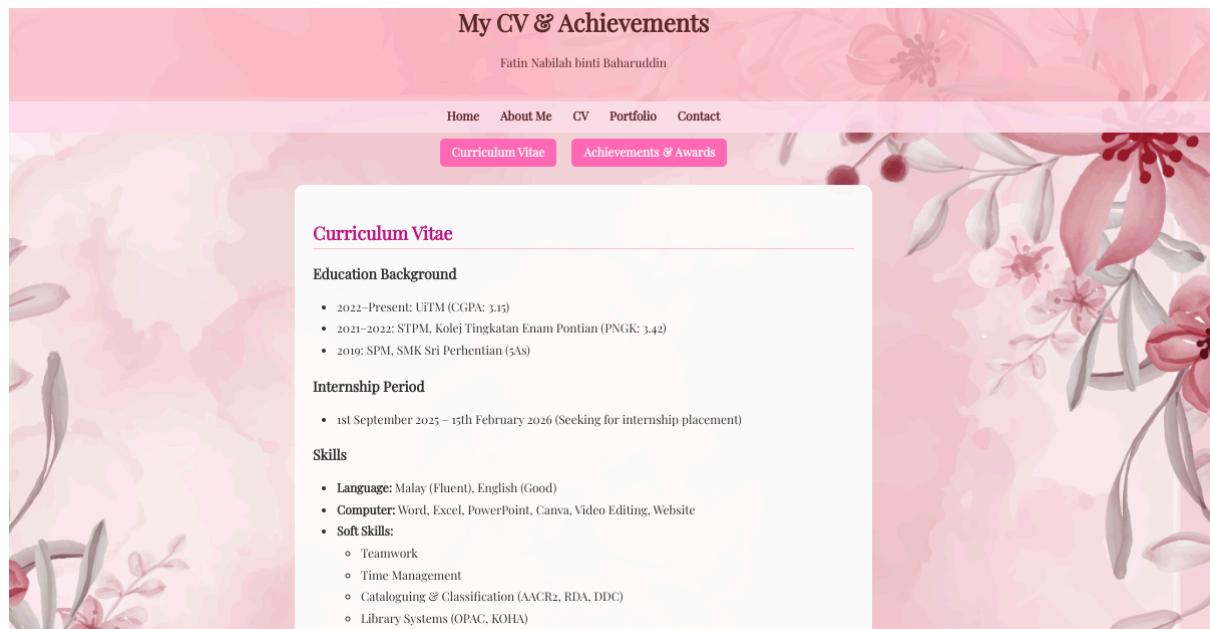


Image 3: Curriculum Vitae (VC) webpage

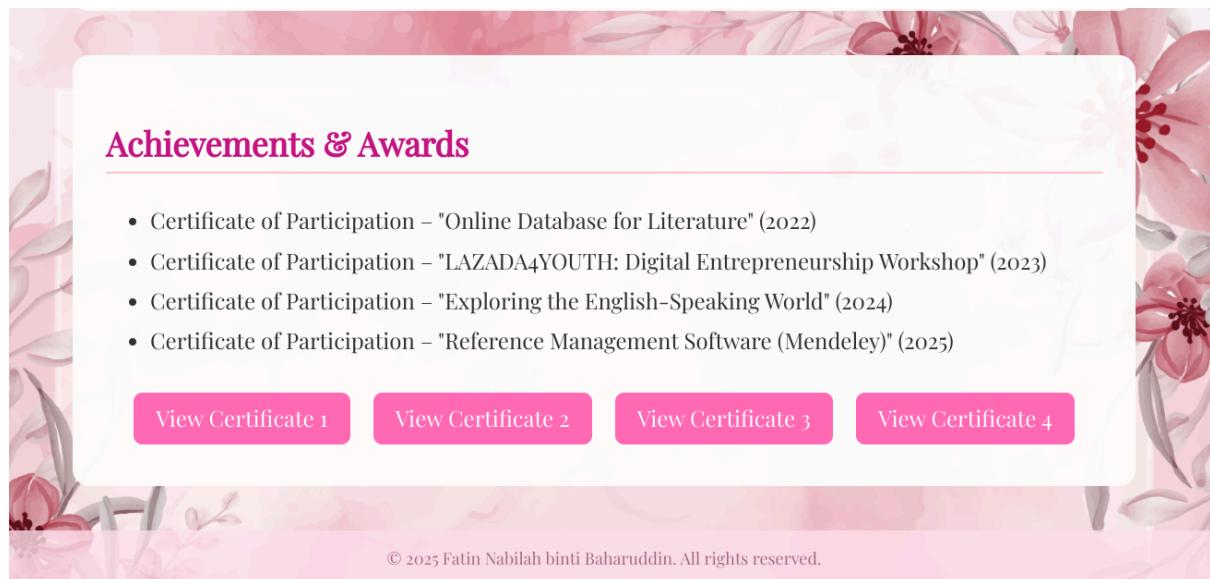


Image 4: Achievement & Awards Webpage

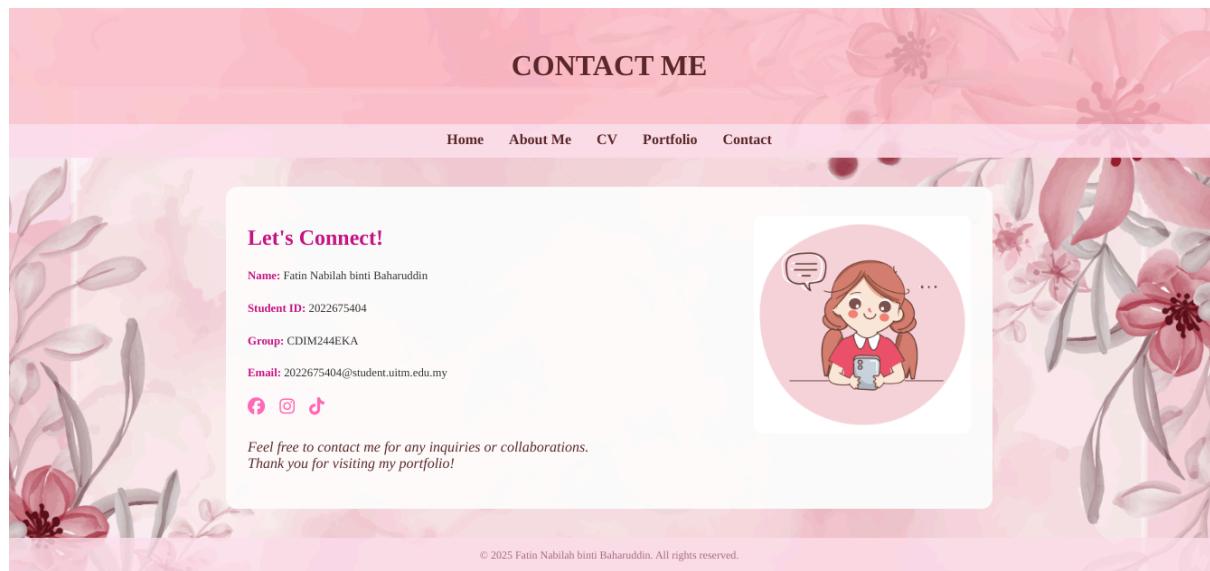


Image 5: Contact me webpage