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CS 499 3-1 Journal

23 March 2024

An ePortfolio presents an excellent opportunity for self-promotion by acting as a digital showcase of my skills, experiences, and achievements. Through carefully curated content, including project highlights, certifications, and testimonials, I can effectively demonstrate my expertise and competencies to potential employers or collaborators, making a compelling case for why I am the right fit for opportunities in the industry.

To mitigate risks while maximizing the marketing potential of my ePortfolio, I will take several precautionary measures. These include carefully reviewing and editing content to ensure it aligns with my professional goals and does not disclose sensitive personal information. By regularly updating and maintaining the ePortfolio with current achievements and projects, I can keep it relevant and engaging while safeguarding against potential risks.

While sharing intellectual property online can enhance visibility, there are inherent risks such as unauthorized use, plagiarism, or infringement. To address these risks, I will selectively showcase projects or work samples that strike a balance between demonstrating my skills and protecting proprietary information. Utilizing watermarks, access controls, or confidentiality agreements where necessary can help mitigate these risks effectively.

I have become skilled in Python programming and have a good understanding of different concepts like Algorithms, Data Structures, working with Databases, and Software Engineering principles. However, I still need to learn more about machine learning and predictive models, understand specific programming frameworks better, and explore different programming languages. I might need to combine these languages for specific projects in the future.

**Status Checkpoints for All Categories**

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| --- | --- | --- | --- |
| Checkpoint | Software Design and Engineering | Algorithms and Data Structures | Databases |
| Name of Artifact Used | I utilized Software Design and Engineering to develop both the GUI and the functionality of the code. | Algorithms and Data Structures were created to assist in generating data based on user input for interacting with models to predict parameter values. | The database was primarily utilized for storing user information. The user authentication data can be created, read, updated, and deleted. |
| Status of Initial Enhancement | The primary user interface has been created and integrated with the functional code. | The algorithms required for the application have been created and integrated with the GUI to enable user interaction. | The database code management has been created to handle user authentication for accessing the application. |
| Submission Status | I have been focusing on coding the application. I will upload the content after receiving feedback and fixing any errors, particularly related to the GUI navigation. | I have been primarily focused on coding the application. Once I receive feedback, I will upload the content and address any errors, particularly those related to the generated answers. | I have been focusing on developing the code for the application. After receiving feedback and fixing any errors, I will upload the content, paying particular attention to the storage mechanisms and retrieving user information. |
| Status of Final Enhancement | I need to integrate user authentication into the app so that the authentication page appears first when the desktop icon is clicked. | The final improvement aims to check if the created data structure has reliable parameters. | The authentication page is complete and is now waiting for the final app GUI size adjustment to match the window size. |
| Uploaded to ePortfolio | No content has been uploaded yet | No content has been uploaded yet | No content has been uploaded yet |
| Status of Finalized ePortfolio | The ePortfolio has been designed and is ready for content upload. | The ePortfolio has been designed and is ready for content upload. | The ePortfolio has been designed and is ready for content upload. |