**Website writing:**

**Technical portfolio**

* **Describes technical projects** you have completed or would like to complete.
* **Provides interesting details** for the audience which may include links to your TAMU GitHub repository for these projects, thumbnails, and descriptions.

WRITING:

Project 1: SUPERMATHIO

I developed an application programmed in Java aimed to help high school students prepare for IB mathematics via playing the popular arcade game “Super Mario”. This project consisted of 3 aesthetically attractive graphical user interfaces: an admin console to manage users and content, a teacher interface to add teaching material, math questions, and view students’ scores, and a student interface that combines math quizzes and Super Mario. A video demonstration of this project is linked below.

Project 2: Game Development Project

In collaboration with a classmate, I developed a Python script that offers users the opportunity to play three popular games: Wordle, Hangman, and Tic-Tac-Toe. Our “Wordle” program Replicates Wordle by the New York Times, where the user has 6 guesses to guess a word right. If the user’s guess contains a correct letter in the correct place then the letter turns green. However, if the letter is correct but in the incorrect place then it turns yellow. Our Hangman game provides a user interface and visualizations for in-game process. For Tic-Tac-Toe, we implemented an automated opponent, allowing users to play against the computer. Players can choose to play as X (taking the first turn) or O (playing second), adding strategic depth to the game.

Project 3: Panda Express – point of sale and inventory solution

For my next project, I'm excited to dive into developing a point-of-sale and inventory management system for a Panda Express restaurant. I'll be working with a team to create a comprehensive solution that includes a PostgreSQL database hosted on AWS and a Java-based graphical user interface. Our system will cater to both cashiers and managers, allowing for efficient order processing and inventory analysis. This project will give me hands-on experience with full-stack development, cloud services, and collaborative software engineering practices like pair programming and code inspections. Overall, this project presents an excellent opportunity to apply my skills to a real-world scenario and gain valuable experience in developing enterprise-level software solutions.

**Qualifications section**

* **Provides your resume** in an easily accessible format (PDF preferred but HTML acceptable).
* **Describes your technical skills** in addition listing them on your resume.
* **Discusses your technical areas of interest** in Computer Science and why.

WRITING:

My technical skills include Optimization of Data Structures and Algorithms, Cloud Computing, Software development and Object Oriented Programming. I am also experienced in presenting taking up leadership roles, and working with teams of various sizes.

My main interests in Computer Science are Artificial Intelligence and Machine Learning, and I find them fascinating for several reasons. Firstly, AI and ML are great at solving tough problems in many areas. They have the power to make a positive difference by addressing real-world issues and improving lives around the world. Additionally, the constant advancements in these fields make them exciting, with new opportunities emerging all the time.

**Service section**

* **Describes ways you give back to your community**, either through volunteering, mentoring, or other similar activities (may include areas you would like to contribute to if not already).

WRITING:

I volunteered with a medical charity foundation where I helped check in patients, write down their symptoms and instruct them of where to go at a Non-profit public hospital in the outskirts of Cairo, Egypt.

I participate in The Big Event yearly! The last event I participated in involved gardening, repainting a treehouse, and cleaning backyard furniture.

My friends and I helped gather important resources such as canned food, water, clothing, and books from High School peers. Then we transported the resources to the Orman orphanage and spent the day with the children there. We read them books, watched puppet shows they made, and played games with them.

As a current member of Aggie Women in Computer Science (AWICS), I am excited to join their Rubies program as a mentor for the upcoming school year. Last year, I participated in the program as a mentee and had a wonderful experience. I look forward to guiding a new mentee this year and providing her with the same support and encouragement that I received.

**AI-generated page**

**Use ChatGPT to create one additional page.**

* This psrage does not have to change styles with the others.
* It can present the capabilities of artificial intelligence (AI).
* Start with a simple prompt.
* Continue to add to the prompt until you are satisfied with the output.
* Create a text box in the new page (ChatGPT can do this for you) that contains the prompt you used in the final version of your AI-generated page.

WRITING: