

Melusi K. Senzanje
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OBJECTIVE: Innovative and motivated Computer Science student at The University of Texas at Tyler. Passionate about utilizing my technical knowledge in programming, application development, and relational databases to contribute to innovative projects. With a proven ability to solve problems, collaborate across cultures, and thrive in diverse team environments, I aim to enhance my skills through structured learning and leadership development while making a meaningful impact

SKILLS:

Java	Dart	Python	OpenCV
MySQL	Roboflow	Git	Jira
Agile Methodology	Organization	Collaboration	

EDUCATION: **University of Texas at Tyler, TX** **Anticipated Graduation: May 2026**
Bachelor of Science in Computer Science (BSCS) | Minor in Mathematics **GPA: 3.57/4.0**

EXPERIENCE:

University of Texas at Tyler, Tyler, TX **Jun 2023 – Present**
(Patriots Engaging Patriots Coach)

- Increase engagement by leading and mentoring a group of 500 first-year students in the Soules College of Business.
- Organize, attend, and manage on-campus events such as De-Stress Fest and Library Study Nights.
- Tutor and aid approximately 15 mentees in courses such as programming fundamentals and object orientated paradigm.

Jersey Mikes, Dallas, TX **Jun 2022 – Aug 2024**
(Crew Member)

- Delivered outstanding service by engaging with customers, addressing their needs and ensuring a positive dining experience contributing to overall customer satisfaction.
- Adapted to high pressure environments by efficiently managing tasks, demonstrating strong problem-solving, multitasking and time management skills in a dynamic work environment.
- Actively engaged with the local community helping to increase foot traffic and build strong relationships with local customers.

PROJECTS:

AI Blind Navigation Assistance **Aug 2024 – Present**

- Collaborating within a 6-member team to develop an image segmentation and object detection application designed to guide visually impaired individuals.
- Led team operations using Jira and Agile methodology, ensuring effective project planning, task management, and sprint reviews.
- Managed and annotated datasets using Roboflow.
- Fine-tuned the YOLOv8 object detection model using Google Colaboratory.
- Utilized Git for efficient version control and code management.

React Personal Portfolio Website **Aug 2024 – Sep 2024**

- Developed a visually appealing, interactive webpage to effectively showcase experience, education, skills and projects.
- Utilized CSS and style components ensuring cross-browser compatibility as the webpage changes depending on the size of the screen.
- Utilized Git for efficient version control and code management.
- Deployed the webpage using Netlify enabling continuous updates, scalability, ease of maintenance and future development.

Patriots Engage Mobile Application **May 2024 – Aug 2024**

- Collaborating with fellow members of the Association for Computing Machinery (ACM) at The University of Texas at Tyler in a dynamic, problem-solving environment.
- Developing a visually appealing and highly interactive application using Google's Flutter framework, focusing on smooth user experience and cross-platform functionality.
- Presented application to the Vice President of Marketing and IT, showcasing current functionality, user interface.