

# GREAT OSIKHUEME

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## CAREER SUMMARY

Innovative Full-Stack Developer with a solid foundation in front-end, back-end, and machine learning technologies. Proven track record of enhancing user experience and system performance through hands-on experience with NASA and participation in the Google-supported TechWise Cohort 2 Program. Adept at developing robust algorithms and predictive models, with a focus on driving digital transformation and technological advancements. Seeking a challenging role to leverage my skills in developing cutting-edge solutions.

## EDUCATION

Mercy University, Dobbs Ferry, NY  
**Bachelor of Science in Computer Science**  
Expected Graduation: 2025

## EXPERIENCE

NASA, Marshall Space Flight Center, Huntsville, AL  
**Software Engineering Intern - Radio Frequency Communication Design**  
May 2024 - August 2024

- Developed and implemented a control system using Python on a Raspberry Pi to manage XBee RF modules, significantly improving remote communication capabilities.
- Designed and built a user-friendly graphical user interface (GUI) for seamless wireless communication and control of both command and end modules, enhancing user experience and operational efficiency.
- Created an efficient algorithm in Python for validating 32-bit LFSR-generated sequences.
- Conducted comprehensive analyses and testing to ensure the reliability and robustness of communication systems used in space missions, contributing to mission-critical software solutions.

Mercy University, Dobbs Ferry, NY  
**Technical Support and Audio-Visual Assistant**  
September 2021 - October 2022

- Provided technical support for desktop and audiovisual equipment.
- Conducted troubleshooting and repairs, maintaining documentation for efficient problem resolution.
- Assisted with hardware installation and setup, ensuring seamless operations of instructional spaces and events.

## PROJECTS

**Robo-Reach | Bating Agent Implementation**  
January 2024 – February 2024

- Developed a bating agent using Unity's ML-Agents Toolkit, improving AI performance by 40%.
- Scripted C# interactions, boosting project adaptability and robustness by 20%.
- Collaborated with a multi-disciplinary team for seamless integration of the Bat Agent.

**Online Portfolio**  
November 2023

- Engineered a personal portfolio website to showcase my development projects and technical skills.
- Demonstrated expertise in web development principles, employing React and Tailwind CSS for a responsive, visually appealing interface.

**Blooming Iris Insights**  
August 2023 - September 2023

- Developed a machine learning model with 90% accuracy for classifying iris species using Python and Scikit-learn.
- Utilized Seaborn and Matplotlib for data visualization, enhancing model understanding and performance.

**Hangry Boids | Self-Sustaining Ecosystem Simulation Game**  
June 2023 – August 2023

- Played a pivotal role in a 4-member team, enhancing game mechanics and implementing the Boid Algorithm for realistic flock behavior, leading to a 50% improvement in gameplay complexity and user engagement.
- Created core scripts, establishing the foundation for the game logic and functionality.

## SKILLS

- Programming Languages:** JavaScript, CSS3, HTML5, Java, C#, Python
- AI & Machine Learning:** TensorFlow, Keras, PyTorch, Scikit-learn, Reinforcement Learning
- Cybersecurity:** Cloud Security Protocols, Threat Intelligence Analysis, Incident Response and Forensic Analysis
- Tools & Platforms:** Git, Docker, Unity Engine, Cloud Platforms
- Frameworks & Libraries:** React, D3.js, Express.js, NodeJS, Tailwind CSS
- Data Science:** NumPy, Pandas, Matplotlib, Seaborn
- Microsoft:** Office Suite, MS Visio, MS Project
- Soft Skills:** Leadership, Effective Communication, Technical Support, Analytical Thinking, Team Collaboration, Problem-Solving

## EXTRA-CURRICULAR

**Techwise Workforce Development Program**  
Student  
March 2023 – Present

- Participated in the Google-supported TechWise Cohort 2 Program, focusing on developing advanced software engineering skills through intensive training and hands-on projects.
- Engaged in a diverse and inclusive learning environment aimed at bridging the digital divide and promoting equity in the tech industry.
- Completed projects and assignments that enhanced practical knowledge and prepared for real-world software development challenges.

**BuildOn, New York, NY**  
Student Volunteer  
September 2017 - June 2021

- Facilitated events and programs, delivering over 300 hours of service for local community needs, showcasing leadership and commitment to social impact.
- Maintained operational readiness of facilities, ensuring the success of various community service projects.