

# DAMILOLA OSOBA

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| **GitHub:** [Damilola24434 \(github.com\)](https://github.com/Damilola24434) | Portfolio: <https://website-1qoz-git-tmp-damilola24434s-projects.vercel.app?vercel=FPnkbh6l0Ahh184jFZszj8k1jbwNE1XU>

**OBJECTIVE:** Computer Science student with a solid programming background seeking a Software Engineering role in entrepreneurial and innovative environment

## EDUCATION

**McNeese State University**, Lake Charles LA

Anticipated Graduation: **May 2026**

Bachelor of Science, **Computer Science**

Cumulative GPA: **3.56/4.00**

- **Relevant Coursework:** Foundation for CS, Database Management System, Software Engineering I, Calculus I, II, & III, Data Structures and Algorithm, Object Oriented Design, Discrete Mathematics.
- **Honors & Awards:** McNeese Access Award (Fall '22 – Spring '26), President's List at McNeese State University (Fall '22- Spring '24)
- **Certifications:** Ethical Hacking Essential (EHE) Certification (EC-Council), Networking Devices and Initial Configuration Course, CodePath Intro to Cybersecurity.

## TECHNICAL EXPERIENCE/CERTIFICATION

**NASA LaACES Program Participant & Undergraduate Researcher** *McNeese State University, Louisiana Space Grant Consortium* Aug 2024 – Present

- Developed a high-altitude balloon payload system, increasing data collection efficiency by 30%, through programming sensors in Arduino and designing a robust telemetry system
- Improved payload efficiency by 25% by designing compact, lightweight payloads for latex balloon launches to study light intensity, using Arduino for data collection and transmission.
- Increased team productivity by 25% through implementing Agile methodologies and leading daily stand-ups for a team of 5 developers.

**Walmart USA Advanced Software Engineering Virtual Experience Program on Forage** June 2024 – July 2024

- Developed a product recommendation algorithm in Python, boosting simulated user engagement by 15%.
- Implemented a novel heap data structure in Python and designed UML class and ER diagrams for a database system.

## PROJECTS

**Custom Java Code Documentation Tool** – Personal Project

- **Resources:** HTML, CSS, JavaParser, and Java.
- Developed a custom Java documentation tool using Java and APIs, improving code readability and reducing documentation time by 30%.

**World ECO Tours** - Project

- **Resources:** SQL, SQL Server Management Studio (SSMS), and SQL Server
- Developed a SQL database for World Tours, handling 10,000 records and improving retrieval by 30%.

**Tetris Project** – Personal Project

- **Resources:** Java
- Designed and implemented a Tetris game in Java, showcasing object-oriented programming principles.
- Link: [Damilola24434/Tetris-game-with-java \(github.com\)](https://github.com/Damilola24434/Tetris-game-with-java)

## LEADERSHIP AND PROFESSIONAL DEVELOPMENT

**Member**, National Society of Black Engineers (NSBE), McNeese State Chapter

**Sep 2022 – Present**

**Member**, Rewriting the Code

**Feb 2022 - Present**

**Member**, African and Caribbean Student Association (ACSA)

**Sep 2021 – Present**

**Resident Assistant**, McNeese State University

**Aug 2023-Till Date**

## ADDITIONAL INFORMATION

**Languages:** (**Proficient**) Python, Java, HTML, CSS, PHP, SQL; (**Familiar**) JavaScript, C++

**Technologies:** Microsoft Office (Word, PowerPoint, Excel, Access), Visual Studio Code, GitHub