

## Education

Claflin University: GPA: 4.0

Expected Graduation Date: May 2026

Bachelor of Computer Science (Honors)

Relevant Coursework: Principles of Programming | OOP | Calculus | Discrete Mathematics | Data Structure & Algorithms | Codepath – Intro to Android Development | Intro to Digital Logic

## Technical Skills

Python	Html	Kotlin
Java	CSS	GIT

## Experience

**Student Research Intern, Claflin University, SC**

May 2023 – July 2023

- Developed a framework for a hybrid Intrusion Detection system using machine learning models and Federated learning.
- Utilized advanced techniques such as Support Vector Machines (SVM) and regression for accurate predictions.
- Preprocessed and analyzed large datasets of network traffic logs and system event records for model training.
- Conducted a comprehensive literature review on Intrusion Detection System development.
- Presented research findings with exceptional clarity and communication skills.

**IT Student Worker, Claflin University, SC**

January 2023 - Present

- Proficiently install and configure computer workstations, peripherals, and software.
- Experienced in deploying and updating Windows and macOS software on workstations and servers.
- Provide expert telephone and in-person technical support for hardware and software.
- Maintain detailed call logs and resolution records for streamlined support desk operations.
- Collaborate with IT team members to identify and implement process improvements, resulting in enhanced efficiency and customer satisfaction.

## Projects

- Developed Python-based classic *Snake Game* with turtle graphics, demonstrating strong OOP principles, implemented interactive controls, collision detection (food and walls), and a score tracking system. ([GitHub](#))
- Engineered *Pong*, a classic arcade game in Python, leveraging the turtle module. Designed and implemented interactive paddles and ball, enabling intuitive player control. ([GitHub](#))
- Created *Flashy*, a Python app for French vocabulary learning. Utilized tkinter GUI and pandas for data management, featuring interactive flashcards, auto-progress tracking, and efficient word selection. ([GitHub](#))
- Developed a Java-based *banking system simulator* that reads account and transaction data from files to execute financial operations. Utilized OOP programming to model various account types dynamically. ([GitHub](#))
- Created a *Stock Trading Simulation* in Java, demonstrating OOP, file handling, and user input. Features account creation, stock price tracking, and trading functionality. ([GitHub](#))

## Leadership and Volunteering

**Writing Centre Consultant, Claflin University, SC**

January 2023 - Present

- Mentored students to enhance their writing skills by offering tailored guidance and support for crafting academic papers.
- Instructed effective use of rhetorical strategies to elevate communication abilities, empowering students with persuasive writing techniques.

## Extra Curriculum Activities

**Member, Global Student Organization, Claflin University**

September 2022 - Present

- Advocated and promoted culture and diversity on campus through proactive initiatives.
- Organized captivating global night event, curating diverse cultures & cuisines, fostering cross-cultural understanding on campus.

**Member, National Society of Black Engineers, Claflin University**

September 2022- Present

- Delivered engaging OOP in Java presentation with illustrative examples for the club, fostering members' programming proficiency.
- Led team efforts in organizing stress-relieving activities like game night and movie night during midterm exams, enhancing team collaboration and student well-being.

## Honors and Awards

- Alice Carson Tisdale Honors College-Full Scholarship (2022 - Present)
- President's list (2022 - Present)