

# MAYA MUKABE

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## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, Swift, C++, SQL

**Web Technologies:** HTML5, CSS3, React, Node.js, Google Apps Script, API Intergration

**Mobile Development:** SwiftUI, Firebase Auth

**Databases:** MySQL, Tableau

**Tools & Frameworks:** Git, GitHub, Firebase, ManageEngine, Linux/Unix, Figma

**Other:** Data Structures & Algorithms, Systems Analysis, Agile Methodologies, Test-Driven Development

## EDUCATION

**Grambling State University - Cumulative GPA: 3.81**

Grambling, LA

Bachelor of Science in **Computer Information Systems**, minor in **Cybersecurity**

Expected Graduation: May 2028

- **Relevant Coursework:** Cybersecurity, Data Structures and Algorithms, Problem Solving, Systems Analysis
- **Honors:** Grambling State Presidential Scholarship, Dean's List (2024), President's List (2024), Alpha Lambda Delta Honor Society (2025), Earl Lester Honor's College (2025)
- **Certifications:** IBM Data Science (2024), IBM Artificial Intelligence (2024)

## RELEVANT EXPERIENCE

**Software Engineering Competition (Product Designer)**

January 2025 – April 2025

**Pathways Community Foundation | MasterCard (Remote)**

- Designed a smart sensor system with PIR motion sensor, Raspberry Pi Pico, and Blues LoRaWAN for grocery store foot traffic tracking, identifying peak times without monthly fees.
- Developed a battery-powered, cost-effective solution with a custom API, integrating with AWS, Google Cloud, and Azure for scalable analytics.
- Collaborated across 6 Agile sprints to build and deliver the MVP from scratch.

**Consultant**

April 2025 – June 2025

**Extern (Remote)**

- Researched philanthropic trends and donor personas to develop actionable outreach strategies.
- Delivered a 10-slide presentation and a 4-minute recorded pitch to cross-functional teams, demonstrating strong communication and collaboration skills.
- Produced a concise factsheet summarizing impact and mission, supporting strategic development initiatives.

**Network Operations Center (NOC) Engineer Intern**

October 2023 – July 2024

**Paratus Telecommunications (Zambia)**

- Resolved 30+ daily technical inquiries using ManageEngine, increasing service efficiency by 20% and improving customer satisfaction metrics.
- Automated recurring support tasks with Python scripts, reducing manual workload by 40%
- Generated analytical reports to identify system trends, informing infrastructure improvements and reducing downtime by 15%.

## RELEVANT PROJECTS

**BloomBuddy AI Chatbot – Co-Developer & Product Designer**

Python, JavaScript, HTML/CSS, Firebase Auth, GPT API, Git/GitHub | [GitHub](#)

- Co-developed an AI wellness chatbot used by 25+ testers, implementing authentication and scalable conversation flows.
- Applied hash maps and recursive algorithms to optimize response speed, reducing latency by 30%.
- Designed accessible UI/UX in Figma and maintained codebase via GitHub, collaborating with a team of 3 developers.

**BreathEzy – Wellness iOS App – Technical Lead**

SwiftUI, Swift Playgrounds, Firebase Auth | [GitHub](#)

- Built an iOS wellness app with mood tracking and journaling features, tested by 100+ users for accessibility.
- Integrated secure Firebase authentication and storage, enabling scalable and private user data management.
- Developed a clean SwiftUI interface, reducing onboarding time by 25% during pilot testing.

**Digital Sign-In System – Developer**

Google Apps Script, Google Forms, Google Sheets | [Link](#)

- Automated room reservations and student sign-in/out for 200+ participants, cutting manual tracking errors by 75%.
- Implemented real-time notifications and time-based check-out scripts, boosting efficiency by 60%.
- Delivered a lightweight, web-based attendance system that improved reliability during competition events.

## LEADERSHIP, ORGANIZATIONS & ACHIEVEMENTS

**Leadership:** *SGA Sophomore Class Secretary (Present)*: digitizing student feedback with Airtable, boosting engagement by 25% and streamlining analysis, while co-leading 3+ projects with digital tools to enhance transparency, managing meetings, agendas, and minutes.

**Affiliated Organizations:** Code2040, CodePath, ColorStack, HBCU First, National Society of Black Engineer (NSBE), Pathways Community Foundations

**Achievements:** Paratus Telecommunications Employee of the Month (2024), Published a book ([Link](#))