Miriam Uwingabiye

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EDUCATION

Ashesi University	**Berekuso, Eastern Region**
BSc. Computer Science	**Date of Graduation: Aug 2024**
Gashora Girls Academy of Science and Technology	**Kigali, Rwanda**
Mathematics Chemistry Biology/Math (A - Levels)	**Jan 2017 – Sept 2019**

ACHIEVEMENTS/AWARDS

	2020 – Present
The Scholar for Impact Program, Ashesi University	
The player maker of the Year, Ustun Award by Ashesi Football Association	**2022**
Elevator Pitch winner, Ashesi university Entrepreneurship Center	**June 2021- July2022**
Aspire Leaders Program, Harvard University	**2021**
Science Exhibition Day 2nd winner, project competition, Gashora Girls Academy	**2019**
The best Performer Girl in 2016 in Rwandan National Examination, Imbuto Foundation	**2017**

WORK EXPERIENCE

Sept 2024 -Present

Ministry of Agriculture and Animal Resources – Kigali, Rwanda
Mobile Developer
- Developing and maintaining the Agricultural Management Information System (AMIS) using Flutter, optimizing workflows and implementing data center in country in collaboration with the backend team.
- Collaborating with the backend team to design and code efficient, user-friendly mobile applications, streamlining processes and supporting decision-making in the agricultural sector.

Afriradar - Remote, Africa   **April 2024 – Aug 2024**
Head of Technical Team
- Led the technical team in developing and maintaining the company website using CSS, JavaScript, and PostgreSQL to effectively showcase progress to potential stakeholders.
- Oversaw the website's performance, ensuring its robustness, accessibility, and reliability through proactive updates, monitoring, and recovery procedures.

Rwandan Diaspora Community– Accra, Ghana   **Jan 2022 – Dec 2023**
General Secretary
- Coordinated community meetings and events while maintaining accurate records of initiatives, meetings, and correspondence to ensure efficient communication and support ongoing activities.
- Acted as a liaison between the community and external stakeholders, fostering collaboration and ensuring representation of community interests

PROJECTS AND RESEARCH

Impact of Accuracy on Speech-to-Text Usability for Dyslexic Students in Ghana   **Jan 2024 – Aug 2024**
Full Stuck Developer/Team Lead/Researcher
- Developed and implemented three speech-to-text systems with varying accuracy levels, using Python for model training and data cleaning, to determine the best system for dyslexic students in Ghana.
- Conducted testing with dyslexic students on these systems, collected feedback, and analyzed the results to address the research question on system usability and accuracy.

Database and frontend developer
- Built a social platform for the school to track fundraising activities, job opportunities and mentorship between alumni and students
- Designed the frontend using React and utilized Figma and ER-Diagrams for illustration to the stakeholders and build Database for the system using PostgreSQL

Ashesi Natembea Health Center Online   **April 2022 – May 2022**
Full Stuck Developer/Team Lead
- Led the development of a fully functional online health center system for students and staff, overseeing both frontend and backend development.
- Managed the project workflow using Jira and implemented a robust database system with MySQL, ensuring seamless access to health services and efficient data management.

African Languages Sentiment Analysis   **Jan 2023 – April 2023**
Software developer

- Designed the model for sentiment analysis of Hausa, Twi, and Nigerian Pidgin using neural network architecture using Python
- Optimized data analysis by processing data to enhance adoption of Natural Language Processing technologies in African businesses

Airline ticket booking and tracking System   **Feb 2021 – Mar 2022**
Database and frontend developer
- Designed the system's user interface in Figma and created the ER diagram to model the database structure
- Developed the frontend using CSS and JavaScript, enabling users to track, book, and pay for tickets through an intuitive and responsive website

CO-CURRICULAR ACTIVITIES

Ashesi University, Ashesi Volleyball Association   **May 2022 – Aug 2024**
Coach
- Coordinate and lead strategic training sessions for the Panthers volleyball team, contributing to multiple victories in Ashesi University volleyball leagues.
- Develop and implement coaching strategies to enhance performance, resulting in consistent victories.

Ashesi University, Ashesi Female Football Association   **Sept 2020 – Aug 2024**
A player
- Competed in all university leagues and received the Ustun Award as the Playmaker of the Year.
- Contributed to team strategy and performance, demonstrating leadership and teamwork on the field.

SKILLS

- **Programming Languages & Frameworks**: Proficient in SQL, Python, Java, C++, R, Dart, JavaScript, PHP, HTML, CSS, React, Django, Flask, Node.js, Flutter

- **Tools & Software:** Advanced proficiency in Microsoft Word, Excel, PowerPoint; Canva, Jira, Notion, Adobe Captivate, Articulate Storyline, Google Analytics, Tableau

- **Related Courses**: Data Structures and Algorithms, Web Technologies, Software Engineering, Computer Organization and Architecture, Content Strategy & Management, User Experience Design

- **Soft Skills**: Leadership, Communication, Attention to Detail, Problem-Solving, Time Management, Team Collaboration, Adaptability, Content Strategy Development, User-Centered Design, Data-Driven Decision Making, Technical Documentation

- **Languages**: English (Fluent), French (Intermediate), Kinyarwanda (Native)

REFERENCES
Available upon request
* A-Level – Advanced Level Examinations