

EDUCATION

African Leadership University

Kigali, Rwanda

Expected Graduation: May 2025

Bachelor of Software Engineering (BSc Hons.),

- **Relevant Coursework:** Algorithms & Data Structures, Full-Stack Development, DevOps, System Architecture, Agile Software Development.

TECHNICAL SKILLS

Languages: Python, JavaScript, Swift, TypeScript and Ruby.

Technologies: HTML/CSS, React, Next.js, Node.js, Django, Express.js, Tailwind CSS.

Libraries/Tools: Pytorch, Tensorflow, Pandas, Numpy, OpenCV, Git/GitHub, VS Code, PyCharm, Figma, PostgreSQL, MongoDB, AWS, Arduino.

Other Skills: Leadership, Teamwork, Communication, Sales, Analytical skills, and Critical Thinking.

WORK EXPERIENCE

MTN Rwanda

Junior Software Engineer - Intern

Kigali, Rwanda

May 2023 - Aug 2024

- Tremendously Contributed to MTN’s newly launched Device Financing Program - “**Macye Macye**” (installment-based smartphone purchases for MTN customers), utilizing Python, Django, and JavaScript, propelling MTN's smartphone sales with a 27% efficiency boost.
- Collaborated on innovative **phone locking and locating software, reducing revenue losses by 52%** and enhancing the company's revenue protection strategies. Quickly grasped new technologies like **SQL** and met project deadlines.
- Utilized **Git and JIRA in system troubleshooting and maintenance minimizing downtime by 20%**.

IremboGov

system DevOps Intern

Huye, Rwanda

June 2023- Apr2023

- Managed infrastructure automation and CI/CD pipelines, ensuring high availability and scalability of Rwanda’s digital public services.
- implemented **containerization (Docker, Kubernetes)** for service deployments, improving deployment speed by 40%.
- Optimized system monitoring using **AWS CloudWatch & Prometheus**, reducing incident response time by 35%.

Bank of Kigali

Software Engineer

Kigali, Rwanda

Feb 2022 - May 2022

- Collaborated with a team to build a **payment gateway**, improving transaction efficiency by **20%**.
- Developed secure **APIs for digital payments** using **Node.js & Django**, ensuring high fault tolerance.
- Integrated **Rwanda’s mobile money platforms (MTN, Airtel)** into the bank’s digital banking services.
- Assisted in optimizing database performance, reducing query execution time by **30%**.

PROJECTS

- **Kundwa Health Game:** — [Kundwahealth](#)
Led the development of **FunHealth**, an interactive game educating youth about **sexual and reproductive health.**,
 - Designed game mechanics that boosted **user engagement by 40%**, making learning fun and accessible.
 - Won **Hanga Pitch Fest 2024**, securing a **\$15,000 prize** for innovation in health education.
- **AgriTech Market Connect**— Founder and CEO
Built a **mobile application** that provides **real-time market trends and pricing information** to farmers.
Helped increase **market access for 500+ farmers**, improving agricultural trade

EXTRACRRICULARS AND AWARDS

- Winner of National Bank of Rwanda Economic Competition
- NVIDIA Summer Bridge Program Participant
- Winner of Wavumbuzi Entrepreneurship Challenge
- **High School Economics Club President.**
- ColorStack Member & NSBE Member
- Conducted workshops in collaboration with local schools
- AT&T Technology Academy 2024 Participant
- educating over 200 students on fundamental financial principles,
- Member of African Leadership University
- **Google Student Developers Club (GDSC).**
- East Africa 2022 Code Beyond Barriers Hackathon Winner
- Nominee for **East Africa ‘22 Young Innovative Programmers Award**