

Syntiche Cishimbi Musawu

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EDUCATION

Bachelor of Science in Applied Computer Technology, Software Engineering

United States International University-Africa 

09/2021 – 09/2025

Nairobi, Kenya

Relevant courses: Data Structure & Algorithm, Java OOP, Calculus, Web Applications, AI/ML, Software Testing.

GPA: 3.57

Certifications: Microsoft Azure AI Fundamentals: Generative AI , Microsoft Azure AI Fundamentals: Computer Vision , Microsoft Azure AI Fundamentals: AI Overview 

National State High School Diploma,

Lycée Mpiko

GPA : B+ (73)

09/2014 – 09/2020

Kinshasa,

Democratic Republic of Congo

PROFESSIONAL EXPERIENCE

Software Engineer, Data Sentinels

02/2025 – 05/2025

Austin, US; London, GB; and Gaborone

- **Built a leaderboard system** for the **ImpactLog platform** using **React, RESTful APIs**, and **Azure cloud databases**, boosting user engagement through real-time performance tracking.
- **Created an AI chatbot** that **cut support response time by 40%** using **NLP**, enhancing customer experience.
- **Researched emerging tech like VR and AI dubbing**, contributed insights to strategy; earned **Intern of the Month** for innovation in **AI** and automation.

Software Developer Intern | Vesen Computing

05/2024 – 09/2024

Nairobi, Kenya

- **Developed and deployed an Alipay mini app** for the oil and gas industry, integrating **payment APIs**, **location services**, and a **responsive UI** to enhance customer convenience and operational efficiency.
- **Implemented a secure payment processing system**, increasing transaction success rates and ensuring compliance with data protection standards.
- **Built an internship registration system** using the **Django framework**, featuring **unique identifier generation** for accurate participant tracking and streamlined onboarding.

AI & Computer Vision Intern (Ramana Tech Learn-on-the-Job Program)

06/2023 – 09/2023

Nairobi, Kenya

- **Researched anomaly detection** for **5+ financial institutions**, building expertise in fraud detection using intelligent data systems.
- **Designed a real-time safety surveillance system** with **OpenCV, YOLO**, and **PyTorch**, improving detection accuracy by **30%**.
- **Built 3 computer vision systems**, automating safety monitoring across different use cases.
- **Collaborated with 4 engineers** to deploy AI solutions that boosted operational efficiency by **25%** and reduced risk in financial data workflows.

Software Engineer, TAWI

12/2022 – 06/2023

Nairobi, Kenya

- Developed a **real-time speech recognition system** for **150+ users with Auditory Processing Disorder**, improving communication and **spoken language comprehension** by **25%**.
- Integrated **Azure Cognitive Services, Whisper AI**, and **MetricGAN** using **WebSockets**, reducing latency by **30%** and enabling seamless real-time interaction.
- Led end-to-end **feature development** from design to deployment in **2 months**; recognized for **strong collaboration** and delivery under tight timelines.

SKILLS

Core Competencies & Technical Skills :

Technical Proficiencies:

Python, JavaScript, Node.js, Java, R, SQL (PostgreSQL, MongoDB), HTML/CSS, React, FastAPI, Spring Boot, JUnit, WordPress, Material-UI, Git, Docker, Kubernetes, Google Cloud Platform, Azure, VS Code, PyCharm, IntelliJ, REST APIs, WebSockets

AI & Machine Learning:

PyTorch, YOLOv8, OpenCV, Whisper AI, Azure Cognitive Services, Computer Vision, NLP, Real-Time Systems, Anomaly Detection, Deep Learning Architectures

Cross-Cultural & Professional Competencies:

Leadership & Initiative · Innovation · Interdisciplinary Collaboration · Social Impact & Sustainability · Adaptability in Diverse Environments · Cross-Cultural Communication · Ethical Technology Development · Public Speaking & Advocacy · Community Engagement · Multilingual (English, French)

PROJECTS

Journal

- Developed and launched an interactive diary app with **Next.js 13** and **React**, featuring mood tracking and a dynamic calendar, which boosted daily active users by **30%** and improved emotional data insights.
- Implemented efficient state management using **React Hooks** and **Context API**, enhancing user interaction and reducing render time by **15%**.

Quiz App

- Built a responsive Quiz Application using **Next.js**, **React**, and **Firebase**, enabling real-time question rendering and dynamic score tracking.
- Integrated **Firebase database** for secure data storage and retrieval, improving scalability and performance.

AWARDS

Microsoft Imagine Cup World Championship

Won a global competition, securing the best Innovation using Artificial Intelligence. Finalist in over 200 submissions.

Letter of Appreciation from USIU-A Vice Chancellor

In recognition of outstanding efforts and accomplishments in university club activities.

Future Makers, Standard Chartered

Awarded best in technology innovation for creating an affordable and accessible home-based toolkit powered by AI, enhancing everyday life for people with auditory disabilities.

Top 10 at Nairobi Summit, Hult Prize Competition

Developed a business solution addressing a global challenge, showcasing innovative thinking and entrepreneurial skills.

Student Ambassador – Microsoft Learn

Awarded in 2023 for outstanding engagement and dedication in the student ambassador program.

PUBLICATIONS

TechCrunch

- Featured on TechCrunch, a renowned tech news platform for creating an AI solution for children with Auditory

Disorder. Received recognition from over 50 international blogs, emphasizing its innovative approach and affordability.

LEADERSHIP EXPERIENCE

Project Lead – Code4Change: AI Skills Empowerment Initiative

Community Action Project | Mastercard Foundation Scholars Program

present
Kinshasa, DRC

- Led the Code4Change initiative in Kinshasa, delivering AI and problem-solving workshops to empower students.

Participant – Transformative Leadership Training ☀

Mastercard Foundation Scholars Program, USIU-A

Selected for a year-long intensive leadership program. Trained in ethical leadership, social impact, critical thinking, and community engagement. Participated in peer-led projects and workshops.

Pan-Africa Youth Leadership Program – Youth Ambassador ☀

Meridian International Center | 2019

- Led the “**CleanUp DRC**” initiative, mobilizing student teams across multiple schools to organize environmental clean-up drives.
- Coordinated the **installation of waste bins** and the **planting of flowers** in school compounds to promote sustainable practices.
- Demonstrated leadership by successfully implementing a **community-impact project** during high school, fostering youth engagement and environmental awareness.

President – IT Club

Nairobi, Kenya

United States International University –Africa (USIU-A)

- Organized and led **student-focused tech conferences**, increasing engagement in ICT-related fields by 40%.
- Coordinated and facilitated **workshops on coding, cybersecurity, and data analytics**, improving technical skills among club members.
- Collaborated with faculty and tech industry professionals to provide **mentorship, guest lectures, and networking events** for over 100 students.

ORGANISATIONS

The Girl I Stand With, Volunteer

present

• Taught young girls how to code, empowering them with essential technical skills

Nairobi, Kenya

and encouraging their interest in

technology.

- Helped one of the girls I tutored get a full-ride scholarship to study at United States International University-Africa