

Syntiche Cishimbi Musawu

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 <https://myportfoliosyntichemusawu.vercel.app/#services>

Profile

Experienced Software Engineer and AI/ML Developer with a strong background in full-stack development, cloud infrastructure, and cutting-edge AI solutions. Proven track record in building AI chatbots, LLMs, and computer vision systems, with experience in technical leadership and cross-functional collaboration. Passionate about ethical AI, responsible innovation, and developing impactful solutions.

Professional Experience

Software Engineer, Data Sentinels

02/2025 – Present

Austin, US; London, GB;
and Gaborone

- Built a leaderboard system for the ImpactLog platform using React, RESTful APIs, and Azure cloud databases, improving real-time performance tracking and engagement.
- Developed an AI chatbot using NLP and LLM techniques, reducing support response time by 40%.
- Designed, implemented, and deployed the **Ambassador Web App** end-to-end, from UI to frontend, backend, and SQL database, enabling ambassadors to write articles, publish content, and apply for opportunities.
- Researched emerging AI technologies, including VR, AI dubbing, and autonomous agents; provided strategic insights to the company roadmap.

Software Developer Intern, Vesen Computing

05/2024 – 09/2024

Nairobi, Kenya

- Developed an Alipay mini app for the oil & gas industry integrating secure payment APIs, location services, and responsive UI.
- Built internship registration system using Django with unique identifier generation and secure data handling.

AI & Computer Vision Intern, Ramana Tech

06/2023 – 09/2023

Nairobi, Kenya

- Designed real-time safety surveillance systems using OpenCV, YOLO, and PyTorch; improved detection accuracy by 30%.
- Researched anomaly detection for financial institutions, enhancing fraud detection pipelines.

Software Engineer, TAWI

12/2022 – 06/2022

- Developed real-time speech recognition system for users with auditory processing disorders; integrated Azure Cognitive Services and Whisper AI.
- Delivered end-to-end feature development under tight timelines, collaborating with cross-functional teams.

Education

Bachelor of Science in Applied Computer Technology, Software Engineering,

09/2023 – 09/2025

United States International University-Africa 

Nairobi, Kenya

- GPA: 3.6
- Relevant Courses: Data Structures & Algorithms(C++), Java OOP, Calculus, Web Applications, AI/ML, Software Testing

National State High School Diploma *Lycée Mpiko, Kinshasa, Democratic Republic of Congo* 09/2014 – 09/2020

Congo 09/2014 – 09/2020

- GPA: B+ (73)

Skills

- **AI/ML:** LLMs, NLP, Computer Vision, PyTorch, YOLO, OpenCV, Whisper AI, Anomaly Detection, Deep Learning, Explainable AI
- **Programming:** Python, C++, JavaScript, Node.js, React, RESTful APIs, Microservices Architecture, System Design
- **Cloud & DevOps:** Microsoft Azure, GCP, Docker, Kubernetes, CI/CD, Git
- **Databases:** SQL, PostgreSQL, MongoDB, Redis
- **Leadership:** Mentorship, Team Collaboration, Strategic Thinking, Stakeholder Communication

Projects

Ambassador App

- Built responsive web app enabling ambassadors to write articles, publish, and apply for opportunities.
- Backend: Node.js | Frontend: React | Database: SQL
- Features: User management, content creation, opportunity applications, secure authentication.

Journal App

Built diary app with mood tracking and dynamic calendar using Next.js & React. Improved daily active users by 30%.

Quiz App

- Built responsive quiz application with real-time scoring and secure Firestore database integration.

Awards

Microsoft Imagine Cup World Championship 2023

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.