# Syntiche Cishimbi Musawu

✉ syntichemusawu645@gmail.com   ⬡ github.com/musawu   🔗 linkedin.com/in/syntiche-musawu

🔗 https://myportfoliosyntichemusawu.vercel.app/#services

## EDUCATION

**Bachelor of Science in Applied Computer Technology, Software Engineering** | 09/2021 – 09/2025
*United States International University-Africa* 🔗 | Nairobi, Kenya
**Relevant courses:** Data Structure & Algorithm, Java OOP, Calculus, Web Applications, AI/ML, Software Testing.
**GPA:** 3.6
**Certifications:** Microsoft Azure AI Fundamentals: Generative AI 🔗 , Microsoft Azure AI Fundamentals: Computer Vision 🔗 , Microsoft Azure AI Fundamentals: AI Overview 🔗

**National State High School Diploma,** | 09/2014 – 09/2020
*Lycée Mpiko* | Kinshasa, Democratic
**GPA :** B+ (73) | Republic of Congo

## 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**, 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

**Artificial Intelligence & Machine Learning** Large Language Models (LLMs), Natural Language Processing (NLP), Computer Vision, PyTorch, YOLO, OpenCV, Whisper AI, Azure Cognitive Services, Anomaly Detection, Data Augmentation, Deep Learning Architectures, Real-Time AI Systems, Ethical & Explainable AI
**Software Engineering & Architecture** Python, JavaScript, RESTful APIs, WebSockets, Microservices Architecture, System Design, Full-Stack Development, Secure API Design
**Cloud & DevOps** Microsoft Azure, Google Cloud Platform, Docker, Kubernetes, CI/CD Pipelines, Git
**Databases** PostgreSQL, MongoDB, SQL
**Leadership & Professional Skills** Technical Leadership, Cross-Functional Collaboration, Mentorship, Strategic Thinking, Responsible Innovation, Stakeholder Communication

## 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 Firestore database** for secure data storage and retrieval, improving scalability and performance.

### Ambassador App  ⊘
*Web Application for Ambassador Engagement*
- Built a **responsive web application** enabling ambassadors to write articles, publish them, and apply for opportunities.
- Developed the **backend** using **Node.js**, **frontend** with **React**, and **SQL** for the database.
- Implemented features for **user management, content creation, and opportunity applications**, ensuring smooth user experience across devices.
- Optimized database queries for **efficient data retrieval** and managed **secure authentication and authorization**.

## 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.