Syntiche Cishimbi Musawu

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

EDUCATION

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Bachelor of Science in Applied Computer Technology, Software Engineering *United States International University-Africa* 🔗 **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 🔗	09/2021 – 09/2025 Nairobi, Kenya
National State High School Diploma, *Lycée Mpiko* **GPA :** B+ (73)	09/2014 – 09/2020 Kinshasa, Democratic Republic o f 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 linteraction.
- 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 Firestore 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 ✎   present
Community Action Project | Mastercard Foundation Scholars Program   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
                                                                                         Nairobi, Kenya
• Taught young girls how to code, empowering them with essential technical skills 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