SHAYANI NYAMBURA KAHUMU

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY

Detail-oriented and passionate Applied Computer Science graduate, actively building expertise in full-stack development, AI applications, and system administration. Experienced in building NLP-based mental health chatbots, supporting end-user systems, and developing data-driven insights. Proven ability to apply technical knowledge in real-world environments, including virtual infrastructure, web development, networking, and big data visualization. Eager to contribute to innovative and impactful tech solutions.

EDUCATION

Chuka University — Bachelor of Science in Applied Computer Science
September 2021 – November 2025

SKILLS & TOOLS

- **Languages & Web**: Python, JavaScript, HTML, CSS

- **Frameworks & Tools**: Django, Bootstrap, WordPress, Figma, React

- **Databases & Data**: MySQL, Pandas, Excel, Power BI, KoboToolbox

- **Networking**: IP addressing, subnetting, Cisco & D-Link configuration, DNS

- **Virtualization**: VMware, VirtualBox, vSphere, vCenter

- **Soft Skills**: Technical Support, Problem-Solving, Communication, Teamwork

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WORK EXPERIENCE

IT Attachee — Kenya Agricultural and Livestock Research Organisation (KALRO)
May 2024 – August 2024

- Provided first-level support at the Help Desk, troubleshooting PC and OS issues, installing Windows, and assisting users with email/password recovery.

- Engaged directly with farmers via the Call Center, providing ICT-enabled agricultural advisories.

- Developed lookalike websites using HTML, CSS, and JavaScript; designed WordPress sites with WooCommerce integration.

- Configured network devices (D-Link switches, Cisco routers), crimped Cat 6 cables, and handled IP setups via PuTTY.

- Installed and managed virtual machines with VMware tools (vCenter, vSphere).

- Performed data cleaning and visualization in Power BI, Excel, and Python (Pandas/Matplotlib).

- Created data collection forms using KoboToolbox and designed UI wireframes in Figma.

PROJECTS

Mental Health Wellness Chatbot (Final Year Project)

- Developed a conversational AI chatbot using Python and NLP techniques to support university students' mental health.

- Implemented interactive modules for stress and mood tracking and recommendations.

- Deployed backend using Django, with scalable design for integration into university portals.

KALRO Web Clone

- Recreated the homepage of the KALRO official website using HTML, CSS, JavaScript, and Bootstrap, ensuring visual and functional fidelity.

Data Visualization Dashboard (Big Data Unit, KALRO)

- Cleaned and analyzed Kilimostat datasets using Python and Power BI.

- Created dashboards to identify patterns in agricultural data and aid strategic decision-making.

COMMUNITY & LEADERSHIP

Member – She Code Africa, Chuka Chapter
Actively participated in mentoring, knowledge-sharing sessions, and women-in-tech advocacy initiatives.

CERTIFICATIONS & TRAINING

- IBM Cybersecurity Fundamentals Certificate -2025

- Professional Foundations ALX Africa - 2025

- Backend Web Development Program ALX Africa — 2026

REFEREES
Available upon request.