

# SHAYANI NYAMBURA KAHUMU

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

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## SUMMARY

Detail-oriented and passionate Applied Computer Science student, 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.

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## EDUCATION

**Chuka University** — Bachelor of Science in Applied Computer Science

September 2021 – April 2025

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## SKILLS & TOOLS

- **Languages & Web:** Python, JavaScript, HTML, CSS
  - **Frameworks & Tools:** Django, Bootstrap, WordPress, Figma
  - **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.
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## 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.
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## COMMUNITY & LEADERSHIP

### **Member – She Code Africa, Chuka Chapter**

Actively participated in mentoring, knowledge-sharing sessions, and women-in-tech advocacy initiatives.

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## CERTIFICATIONS & TRAINING

- IBM Cybersecurity Fundamentals Certificate -2025
  - Professional Foundations ALX Africa - 2025
  - Backend Web Development Program (Ongoing)  
ALX Africa — Enrolled 2025
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## REFEREES

Janet Ngesa

Attachment Supervisor,  
Kenya Agricultural and Livestock Research Organisation  
0708176091

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