Samson Kinyanjui

https://sammainah.com
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SKILLS

- **Languages**: JavaScript, Python, SQL

- **Technologies**: Django, React, Node.js, Flask, MySQL, MongoDB, Git, Linux

- **DevOps Tools**: Docker, GitHub Actions

- **ML Frameworks**: TensorFlow, Scikit-learn, PyTorch

- **Soft Skills**: Problem-Solving, Communication, Analytical Thinking, Adaptability, Leadership

EDUCATION

- **Dedan Kimathi University of Technology** — Nyeri, Kenya
  Master of Science in Computer Science — *Oct. 2023 – Present*

- **Dedan Kimathi University of Technology** — Nyeri, Kenya
  Bachelor of Science in Information Technology — *May 2019 – Apr. 2023*

EXPERIENCE

- **Freelance Full-Stack Developer** — Online, Remote
  Fiverr — *Jan 2022 - Present*
  - **Web Development**: Designing and developing scalable web applications using React, Django, and Flask.
  - **System Maintenance**: Implementation of secure coding practices, performing bug fixes, and optimizing database queries.
  - **User Support**: Collaborating with clients to understand requirements and provide tailored solutions.

- **Graduate Research Assistant** — Dedan Kimathi University of Technology, Nyeri, Kenya
  Oct 2023 - Present
  - **Teaching and Mentorship**: Teaching advanced software development and database optimization; mentoring students on project implementation.

- **IT Intern** — County Government of Nakuru, Nakuru West, Nakuru
  Jan 2022 - Mar 2022
  - **Technical Support**: Troubleshot network and system issues while maintaining detailed documentation.

PUBLICATIONS

- **Financial Health Assessment for Households in Kenya**: Kinyanjui, Samson, Felix Lopuran, Peter Kimanga, Edna Mugoh, Dennis Kiprotich, and Patrick Gikunda. "Financial Health Assessment for Households in Kenya." In *2024 International Conference on Information and Communication Technology for Development for Africa (ICT4DA)*, pp. 90-95. IEEE, 2024.

PROJECTS

- **Thesis Management System**: Developed a Django-based application for managing academic theses, with features for students, teachers, and administrators.
- **KVNExcel**: Created a Django-based platform for selling Excel courses, featuring MPesa payment integration for Kenyan users.
- **Kenyan Business Ideas & Investment Bot**: Built an ML-powered chatbot with React frontend and Flask backend, fine-tuned for Kenyan economic data.
- **Research Article Generator (RAG) App**: Enhanced Research Article Generator (RAG) app for querying and summarizing research articles. `GitHub`