Samson Kinyanjui

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SKILLS

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

- **Technologies**: Django, DRF, Git and GitHub, Docker, Scikit-learn, TensorFlow

- **Soft Skills**: Problem Solving, Communication, Teamwork, Flexibility, Attention to Detail, Adaptability

EDUCATION

- **Dedan Kimathi University of Technology** — Nyeri, Kenya
  Master of Science in Computer Science — *Oct. 2023 – Dec. 2025*

- **Dedan Kimathi University of Technology** — Nyeri, Kenya
  Bachelor of Science in Information Technology; Honours: Second Class Upper-Division — *May 2019 – April 2023*

EXPERIENCE

- **Assistant Computer Science Lecturer** — Dedan Kimathi University of Technology, Nyeri, Kenya
  Oct 2023 - Present
  - **Web Development**: Assisted students with developing web applications using Django, emphasizing clean code and problem-solving techniques
  - **Data Analysis**: Guided students in data analysis projects using Python and SQL, incorporating statistical reasoning and problem-solving

- **Freelance Developer** — Online, Remote
  Fiverr — *Jan 2022 - Present*
  - **Full-Stack Development**: Developed and maintained web applications using Django and JavaScript for diverse client needs
  - **Data Science**: Completed data analysis and machine learning projects, including data cleaning, model development, and evaluation

- **IT Intern** — County Government of Nakuru, Nakuru West, Nakuru
  Jan 2022 - Mar 2022
  - **Tech Support**: Provided IT support, handled troubleshooting, and maintained network connectivity
  - **Data Management**: Performed data analysis to support decision-making and improve operational efficiency

PROJECTS

- **Research Article Generator**: Developed a Retrieval Augmented Generation (RAG) application using Langchain and OpenAI API to query research articles   `GitHub`

- **KVN Excel Courses Application**: Created a system for selling Excel courses with integrated MPesa payment support   `GitHub`

- **Loan Application Analysis**: Built a machine learning model to predict loan approval, incorporating features like income, credit history, and loan amount   `GitHub`

- **Journal Articles Topic Modeling**: Implemented LDA and K-Means clustering to categorize journal articles into key topics   Journal_articles_Topic_Modelling_Using_LDA_and_K_Means_Clustering.ipynb