

Sidney Muriuki

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology <i>Bachelor of Science in Mathematics and Computer Science</i>	Juja, KE <i>Sep. 2022 – Present</i>
Power Learn Project <i>Software Development</i>	Nairobi, KE <i>Feb. 2025 – Jun. 2025</i>

EXPERIENCE

AI Automation Engineer Intern <i>Statsspeak Group Ltd.</i>	Feb. 2025 – Jul. 2025 <i>Nairobi, KE</i>
<ul style="list-style-type: none">– Designed and deployed an automated lead-generation workflow using n8n, validating and enriching 500+ business records and improving outreach targeting efficiency by 40 percent.– Built an automated AI-driven email outreach system, reducing manual outreach time by 60 percent and increasing engagement rates.– Developed an AI-powered database assistant using Python and Chainlit, enabling natural-language queries and reducing data retrieval time from minutes to seconds.– Conducted applied research and produced a comprehensive vaccine-industry report covering health infrastructure, supply chains, and partnerships to support data-driven client decisions.– Collaborated with cross-functional teams to deploy workflow automation and improve data processing accuracy.	

LEADERSHIP EXPERIENCE

Community Manager Lead <i>Salamander Tech Hub</i>	Jul. 2025 – Present <i>Nairobi, KE</i>
<ul style="list-style-type: none">– Led an open-source learning community through technical sessions and projects.– Reviewed and coordinated GitHub contributions for quality and consistency.– Mentored members on Git, GitHub, and collaborative development practices.– Organized workshops and coding challenges to strengthen practical skills.	

PROJECTS

SmartBiz <i>Django, Python, Sqlite, Bootstrap, JavaScript</i>
<ul style="list-style-type: none">– Built a sales and inventory management platform for small and micro-businesses with real-time analytics.– Implemented product, sales, and inventory tracking with automatic low-stock alerts.– Designed a subscription system with tiered plans and admin-controlled user management.– Developed role-based dashboards for business owners and platform administrators.– Optimized performance for low-bandwidth environments with mobile-responsive design.
AI Research Assistant <i>Python, LangChain, Google Gemini API, FAISS, Gradio</i>
<ul style="list-style-type: none">– Developed a multi-document AI research assistant enabling question answering over uploaded PDFs.– Implemented semantic search using FAISS vector embeddings for accurate document retrieval.– Integrated Google Gemini for retrieval-augmented generation with source attribution.– Built a chat-style interface with conversation memory and collapsible source references.
TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML/CSS

Frameworks: Django, Flask, Bootstrap

Automation Tools: n8n, Flowise

Developer Tools: Git, Google Cloud Platform, Visual Studio, PyCharm, Gradio, Langchain

Libraries: pandas, NumPy, Matplotlib