SIDNEY BARAKA MURIUKI

sidneybarakamuriuki1@gmail.com • +254759456960 • Nairobi, Kenya

linkedin.com/in/sidney-muriuki-688207285 • github.com/mathncode-sid

Profile

Motivated and detail-oriented Mathematics and Computer Science student with a growing interest in AI and software development. Currently working as an AI Engineer at Statsspeak Company, gaining hands-on experience in machine learning, data processing, and automation. Experienced in data management, content creation, and digital administration, leveraging technology to improve efficiency. Quick to adapt, highly organized, and equipped with strong problem-solving and communication skills, making me a valuable asset in dynamic team environments.

Professional Experience

Statsspeak Company   01/2025 – present | Nairobi, Kenya
AI Engineer Intern

- Assist in designing, developing, and optimizing machine learning models for various applications.
- Perform data preprocessing, feature engineering, and model evaluation to enhance AI performance.
- Research and experiment with new AI techniques, frameworks, and tools to improve existing solutions.
- Contribute to AI model deployment and integration into enterprise applications.
- Support the collection, cleaning, and structuring of datasets for training and testing AI models.
- Work with structured and unstructured data, including text, images, and time-series data.
- Develop scripts using Python, TensorFlow, and PyTorch to automate data processing and model training.
- Implement API-based integrations and real-time AI model inference systems.
- Collaborate with data scientists, software developers, and business teams to implement AI solutions.
- Participate in knowledge-sharing sessions and stay updated on emerging AI trends.

OneHope Catalyze Internship – KAG Teens   03/2024 – 09/2024
Ministry
Data Management and Technology Specialist
(Intern)

- Led data management initiatives, resulting in improved system efficiency and reduced data errors.

- Implemented technology-driven solutions to enhance data entry processes and ensure data integrity.

OneHope Catalyze Internship – Strategic Fellowship for High School Ministries (SFHM)   02/2023 – 08/2023

Digital Administrator (Intern)
- Managed website content updates to ensure accurate and timely information.
- Coordinated scheduling, reviewing, and publishing content for website and social media platforms.
- Designed evaluation forms for SFHM programs and compiled reports with key insights and recommendations.
- Developed communication and mobilization strategies to support the East Africa Christian Teachers Conference (EACTC).
- Served as a member of the EACTC 2023 delegates mobilization sub-committee.
- Cleaned and updated the Teachers Database to enhance future engagement and outreach.
- Mobilized and enrolled teachers onto the Empowered Teacher e-learning platform.

Skills

Machine Learning & AI
Basic experience in model development, data preprocessing, and AI deployment.

Data Collection and Processing
Skilled in working with structured and unstructured data for AI training.

Research & Data Analysis
Proficient in conducting online research, managing spreadsheets, and reporting.

Technology Proficiency
Experienced in leveraging digital tools to optimize workflows and data processes.

Programming & Scripting
Proficient in Python with experience in TensorFlow, PyTorch, and automation scripting.

Web Development
Experience with HTML, CSS, and basic front-end development.

Problem-Solving & Adaptability
Quick learner with a strong analytical mindset for tackling complex issues.

Communication & Collaboration
Strong verbal and written communication skills, with experience working in teams.

Education

Power Learn Project Africa   02/2025 – present
Software Development

Jomo Kenyatta University of Agriculture and Technology 09/2022 – present
Bsc. Mathematics and Computer Science

World Quant University 02/2025 – present
Applied Data Science

Projects

Dynamic Personal Web Portfolio ⧉
•Participated in a Hackathon to build a dynamic personal web portfolio using HTML and CSS.
•Enhanced front-end development skills after two weeks of learning HTML/CSS and received a certificate of participation.
•The project helped me build responsive web designs and improve CSS styling techniques

Minimalist To-Do App
Developed a lightweight and user-friendly to-do app using Streamlit for seamless deployment.
•Implemented core CRUD functionalities (Create, Read, Update, Delete) for efficient task
management.
•Designed a minimalist UI to enhance user experience and productivity.
•Built using Python and Streamlit, ensuring quick deployment and accessibility.

Image Grayscale Converter ⧉
Created a web application that converts colored images to grayscale, enhancing visual contrast.
•Enabled users to upload images or capture photos directly from their device's camera.
•Developed using Python and Streamlit for simple and efficient deployment.
•Focused on providing a user-friendly interface for seamless interaction.

Certificates

- AI Career Essentials by ALX ⧉
- Python Essentials 1 ⧉