SIDNEY BARAKA MURIUKI

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https://math-n-code-sid.netlify.app/ | 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 Group Limited   01/2025 – present
AI Engineer Intern

- Assist in designing and optimizing machine learning models for various applications.
- Perform data preprocessing, feature engineering, and model evaluation.
- Research new AI techniques and contribute to model deployment.
- Work with structured and unstructured data, including text, images, and time-series.
- Develop automation and training scripts using Python, TensorFlow, and PyTorch.
- Implement API integrations and support real-time AI inference systems.
- Collaborate with data scientists, developers, and business teams on AI solutions.
- Stay updated on emerging AI trends and participate in knowledge-sharing sessions.

OneHope Catalyze Internship – KAG Teens Ministry   03/2024 – 09/2024
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.

EDUCATION

Software Development   02/2025 – present
Power Learn Project Africa

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

SKILLS

- Machine Learning & AI
- Data Collection and Processing
- Research & Data Analysis
- Technology Proficiency
- Programming & Scripting
- Web Development
- Problem-Solving & Adaptability
- Communication & Collaboration

PROJECTS

Dynamic Personal Web Portfolio ⧉
•Participated in a Hackathon to build a dynamic personal web portfolio using HTML and CSS.
•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 Python and 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.

Color to Grayscale Image 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.

CERTIFICATES

Python Essentials 1 ⧉   **AI Career Essentials by ALX** ⧉
By CISCO Skills for all