

# SIDNEY BARAKA MURIUKI

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<https://math-n-code-sid.netlify.app/> • [github.com/mathncode-sid](https://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 Statspeak 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

### **Statspeak 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.

## 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**

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### **BetLess** [↗](#)

- Built a Streamlit app to detect betting activity from bank/mobile statements.
- Integrated Groq API for AI-powered feedback and advice.
- Added a gamified points system with a user leaderboard.
- Developed modules for analysis, scoring, and AI chat.
- Enabled .txt uploads and real-time progress tracking.

### **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**

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### **Python Essentials 1** [↗](#)

By CISCO Skills for all

### **AI Career Essentials by ALX** [↗](#)