



## **Samson Munyoki Mutemi**

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### **PROFESSIONAL SUMMARY**

Innovative and detail-oriented Computer Science graduate with strong skills in software development, ICT support, networking, data analysis, and cybersecurity. Experienced in developing and deploying web applications, managing IT infrastructure, and providing client-focused ICT solutions. Adept at working with programming languages, databases, and emerging technologies such as AI and machine learning. Strong communicator and problem solver with a passion for technology, sustainability, and community development.

### **CORE SKILLS**

- Programming: Python, Java, PHP, C, HTML5, CSS3, JavaScript
- Frameworks & Tools: Flask, React, Laravel, Bootstrap, Git/GitHub
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Excel
- Databases: MySQL, PostgreSQL, SQLite
- Machine Learning & AI: TensorFlow, Keras, Scikit-learn, OpenCV
- Cybersecurity: Vulnerability Assessment, Penetration Testing, 2FA (Google Authenticator)
- ICT Support: Networking, System Troubleshooting, IT Infrastructure
- Other Skills: Digital Marketing, Proposal Writing, Project Documentation

### **EDUCATION**

#### **Bachelor of Science in Computer Science**

South Eastern Kenya University (SEKU), 2021 – 2025

**Key Courses:** Artificial Intelligence, Machine Learning, Cybersecurity, Compiler Construction, Database Systems, Computer Networks, Systems Analysis, Project Management.

### **PROFESSIONAL EXPERIENCE**

#### **ICT Attachment – Ukia ICT Hub (Makueni County Government)**

**May – August 2024**

- Provided ICT support including troubleshooting, system setup, and network configuration.
- Assisted in digital literacy training for rural communities.
- Contributed to documentation, reporting, and administrative ICT tasks.

#### **Freelance Web & Software Developer 2023 – Present**

- Designed and deployed responsive websites for SMEs and individuals.
- Developed software solutions integrating databases and backend systems.
- Drafted project proposals, reports, and ICT consultation documents.

### **PROJECTS**

#### **Mpox Prediction System (AI & Web App)**

- Developed a CNN model to detect Monkeypox from skin images.
- Built a Flask-based application with real-time image upload and PDF reporting.
- Tools: Python, Keras, Flask, Bootstrap, ReportLab.

#### **Portfolio Website**

- Personal portfolio showcasing professional projects.
- Hosted on Netlify:

[sammutemiportfolio.netlify.app](https://sammutemiportfolio.netlify.app)

### **CERTIFICATIONS**

- Digital Marketing – Semrush Academy
- Introduction to Cybersecurity – Cisco Networking Academy
- Introduction to Data Science – Cisco Networking Academy

### **REFEREES**

#### **Dr. Casper Shikali**

Chairperson, Department of Computer Science & Technology – SEKU

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#### **Dr. Omala**

Lecturer, Department of Computer Science & Technology – SEKU

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#### **Ms. Lucy Kali**

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