EMMANUEL .W. WAKHONGOLA

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PROFESSIONAL SUMMARY

Motivated Mathematics and Computer Science student with strong analytical and technical problem-solving skills. Passionate about leveraging technology to build efficient solutions and secure digital systems. Eager to apply a broad range of skills, including software development (Python, C++), networking, and cybersecurity, to solve complex challenges. A fast learner and collaborative team player committed to mastering new technologies and staying current with emerging industry trends.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

- BSc. Mathematics and Computer Science
- *Expected Graduation: 2026*

St Marys Kibabii Boys National School

- Kenya Certificate of Secondary Education (KCSE)
- *Graduated: 2021*

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, HTML, CSS
- **Data & Databases:** SQL, R, MATLAB
- **AI & Data Science:** AI/ML, NLP Algorithms
- **Cybersecurity & Networking:** Networking Principles, Cybersecurity Concepts
- **Software & Tools:** Microsoft Office Suite (Excel, Word, PowerPoint), Power BI

PROJECTS

1. **Network Monitoring Dashboard | (In Progress)**
   - Developing a real-time network monitoring system to track device connectivity, bandwidth usage, and performance metrics with visual alerts for network anomalies.
   - *Technologies Used: Networking, Python, Cybersecurity*

2. **AI Resume Analyzer | (In Progress)**

- Building an intelligent AI-powered tool to evaluate CVs using machine learning and NLP, detecting missing keywords and rating job-fit percentage with actionable recommendations.

- *Technologies Used: AI/ML, Python, NLP algorithms*

3. **Inventory Management System | Personal Project**

- Developed a command-line inventory management system using Python and SQL, focusing on database design and implementing CRUD (Create, Read, Update, Delete) operations.

- *Technologies Used: Python, SQL*

CERTIFICATIONS

- Introduction to Power BI for Beginners (**Simplilearn**)

- Introduction to Cybersecurity Awareness (**HP LIFE**)

PROFESSIONAL ATTRIBUTES

- **Analytical & Problem-Solving:** Strong quantitative and logical reasoning abilities

- **Collaboration:** Proven team player with effective communication skills

- **Adaptability:** Eager to learn new technologies and concepts

- **Time Management:** Skilled in organizing and prioritizing tasks

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INTERESTS & HOBBIES

- Coding

- Reading Tech Articles

- Researching

- Gaming

LANGUAGES

- English

- Swahili

REFERENCES: Available upon request.