

# 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 software development, networking, and cybersecurity. Fast learner and collaborative team player committed to mastering new technologies.

## 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) | 2021

## TECHNICAL SKILLS

**Programming:** Python, C++, HTML, CSS

**Data & Databases:** SQL, R, MATLAB

**AI & Data Science:** AI/ML, NLP Algorithms

**Cybersecurity:** Networking Principles, Cybersecurity Concepts

**Tools:** Microsoft Office, Power BI, Excel

## PROJECTS & EXPERIENCE

### Total Energies Attachment (June 23 - September 5, 2025)

IT operations, network administration, and cybersecurity protocols. Collaborated on network monitoring, system maintenance, and security implementations.

### Network Monitoring Dashboard

Real-time system tracking device connectivity, bandwidth usage, and performance metrics with visual alerts. **Tech:** Python, Networking, Cybersecurity

### AI Resume Analyzer

AI-powered tool evaluating CVs using ML and NLP, detecting keywords and rating job-fit. **Tech:** AI/ML, Python, NLP Algorithms

### Inventory Management System

Command-line system with CRUD operations and database design. **Tech:** 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

• **Languages:** English, Swahili

## REFERENCES

Available upon request