OMANYA VEDESTER OTIENO

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🚀 Professional Summary

Self-driven and innovative tech enthusiast with a BSc in Mathematics and Computer Science from JKUAT. I build modern, scalable digital solutions with a focus on web development, data analysis, and automation. Experienced in full-stack development, system deployment, and data-driven problem solving. I'm passionate about digital transformation and creating impactful technology that solves real-world problems.

💡 Technical Skills

- **Languages:** Python, SQL, Java, R, C, C++, JavaScript
- **Web Development:** HTML, CSS, React (Vite), Tailwind, Flask, REST APIs,JavaScript
- **Databases:** PostgreSQL, MySQL, MS SQL Server,SQLite
- **Data Tools:** Excel, Power BI, Tableau, Pandas, NumPy,Seaborn, Matplotlib, Plotly
- **DevOps & Tools:** Git/GitHub, M-Pesa Daraja API, Windows, Linux

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🎓 Education

Jomo Kenyatta University of Agriculture and Technology (JKUAT)
Bachelor of Science in Mathematics and Computer Science
📅 Graduated: June 28, 2024
Relevant coursework: Computer Networking, System Administration, DBMS, Programming, Machine Learning

Certification

- Data Analysis Short Course – WorldQuant University (Finished Feb 2025)

💼 Experience

Kenya Pipeline Company (KPC) – ICT Attachee
📅 June – August 2023

- Supported deployment and maintenance of ICT systems across departments
- Troubleshot hardware/software issues and delivered first-level end-user support
- Participated in server maintenance, backups, and technical documentation
- Contributed to network monitoring and helped resolve infrastructure incidents

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⚒ Projects

AntiScam Academic Writing Platform – [2025, Personal Project]

- Designed a secure full-stack platform to protect academic writers from scams
- Built with React, Flask, and integrated with M-Pesa API and AI plagiarism detection

Titanic Survival Analysis – [2025, GitHub Project]

- Created machine learning models to predict survival using Scikit-learn
- Performed EDA, evaluated model accuracy with ROC-AUC and classification metrics

ML Vision Assistant – [2025, Client project]

- Flask app for image-based assistant using OpenAI and computer vision
- Features include Ngrok tunneling, speech response, and smart visual feedback

Custom Shower Quote App – [Client Project]

- Built a React-based tool for estimating custom shower costs
- Features include form-to-email export, WhatsApp integration, and user control panel

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✺ Strengths & Values

- Integrity-driven with strong communication and collaboration skills
- Analytical, curious, and committed to continuous learning
- Client-focused, adaptable, and passionate about impactful technology

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☎ Reference

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