

KENNEDY OTIENO

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SUMMARY

Results-driven professional with a background in Agricultural and Biosystems Engineering. Proficient in research, data analysis, and technical sales, with a strong passion for sustainability, innovation, and delivering exceptional customer experiences. Currently expanding skills in AI and web development, driven by a deep interest in technology and its potential to transform agriculture and related industries.

EDUCATION

ALX Africa

Back-end web development
Data science

March 2025 - Up-to-date

Power Learn Academy (PLP)

Software development

February 2025 - Up-to-date

Jomo Kenyatta University of Agriculture and Technology– Juja, Kenya

Bachelor of Science in Agricultural and Biosystems Engineering

Second Class Upper Division

September 2019 – January 2025

Maseno School

B+

January 2015 - November 2018

WORK EXPERIENCE

Industrial Attachment – Peupe Technologies- Juja-Kiambu-Kenya

January 2024 - March 2024

- Programmed 3 Arduino-based control systems, enhancing the precision and reliability of vending machines.
- Engaged with 50+ clients to understand their needs and provided product recommendations for Milk ATMs and Water ATMs.
- Assembled, tested, and optimized 20+ dispensing machines, ensuring seamless operation and adaptability to user needs.

Industrial Attachment – Japan International Cooperation Agency (JICA)

January 2023 - May 2023

- Conducted market research and analyzed feedback from 50+ customers, contributing to a 15% improvement in product design and a 20% increase in customer satisfaction based on pilot feedback.
- Co-developed the Shujaa Electric Tractor as part of a 5-member team, achieving a 100% electric-powered prototype capable of reducing smallholder farm operating costs by up to 40%.

Industrial Attachment – JKUAT Main Campus Engineering Workshop

January 2022 - March 2022

- Led a team of 10 members in successfully executing multiple technical projects, fostering strong teamwork, communication, and task delegation to ensure timely completion and quality results.

VOLUNTEER ACTIVITIES

Ambassador at Youth for Green Action Kenya

April 2022 - Present

Planted over 1,000 trees across multiple counties as part of reforestation and greening initiatives, contributing to environmental conservation and carbon footprint reduction.

SKILLS

Analytical Tools:	Python, R, SQL, Advanced Microsoft Excel
Data & Reporting:	Research synthesis, impact reporting, dashboard creation
Communication:	Technical writing, stakeholder coordination, briefing preparation
Software Proficiency:	Microsoft PowerPoint, Word, Excel
Programming & Web:	HTML, CSS, JavaScript (basic proficiency)
Soft Skills:	Team collaboration, adaptability, attention to detail, critical thinking

PROJECTS & INTERESTS

- **AI:** Exploring and developing AI solutions for sustainable agriculture and technological innovations.
- **Web development:** With a focus on creating modern, user-friendly, and impactful digital solutions
- **Nature & Wildlife Conservation:** Actively involved in tree planting and reforestation programs.

LANGUAGES

Kiswahili -Native English - Advanced