Eliud Wambua

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Profession Summary

Technology innovator with solid experience in software programming, research, and emerging technologies. Success track record in executing technology-driven projects that intersect health, sustainability, and youth empowerment. Experience in web application development, Internet of Things (IoT) platforms, and artificial intelligence (AI) solutions, with emphasis on practical solutions and concrete outcomes. I'm open to research collaborations, internships, and forward-thinking tech opportunities.

Education

- **Kenya Methodist University** (2022 – 2025) Bachelor of Science in Business Information Technology.
- **Modcom Institute of Technology.** (04/2022 - 08/2022) Software Development
- **AIC Chebisaas Boys' High School.** (2018 – 2022) KCSE

Work Experience

Bakery Recipe Predictor System (2023)

- Built an AI-powered recipe generator that suggests what to bake based on user-input ingredients using predictive modeling**.**

Budget Bite – Intelligent Meal Planner (2024)

- Created a web App platform that links users with meal options, recipes, and grocery vendors using budget-aware algorithms and merchant integration.

Vehicle Diagnostic & Air Quality Monitoring System (2025)

- Engineered a real-time environmental tracking system with Arduino sensors and AI-powered analytics for emissions and air quality monitoring.

Medical Health Web Platform (2025)

- Developed a multi-page Flask application for hospital services and mental/family health support, following the Waterfall model.

Technical Skills

- Web Developer
- Graphics Designer
- Programming Languages: Python, C++, JavaScript, SQL
- Web Development: Flask, HTML, CSS, React
- AI & Machine Learning: Chatbots, Predictive Modeling
- Tools & Design: Adobe Illustrator, Figma

Certifications & Training

- Introduction to Machine Learning – CISCO
- Computer Hardware Basics – CISCO
- Advanced C++ Programming – CPP Institute
- Grants Writing Workshop – 2025
- Hult Prize Campus Finalist – 2024–2025
- Mobile App Development Bootcamp – KeMU (2024)

Professional Development

Mentee, Global Mentorship Initiative (GMI) May 2025 – August 2025

- Participating in a structured mentorship program focused on career development, leadership, communication, and global workplace readiness.

Achievements

- Finalist, Hult Prize Campus Competition (2025)
- Event Organizer, KeMU Innovators Club (2024–2025)
- Community Leader, KeMU Innovators Club (2023–2024)
- Information Technology and Communications Officer, Research and Innovation Centre – KeMU (2024–2025)
- Volunteer, Tukuze Foundation Kenya (2024–Present)
- Mentee, Global Mentorship Initiative (GMI) (May 2025–Present)

Languages

- English – Fluent
- Swahili – Fluent