

Esther Ooko

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Professional Summary

Final-year IT student with a strong foundation in Business Intelligence, Data Analytics, and Web Development. Passionate about leveraging technology to drive decisions and process improvements. Hands-on experience in dashboard creation, structured reporting, and data-driven analysis using Power BI, Tableau, Excel, and MySQL. Completed a 3-month attachment at Kisumu National Polytechnic with a recommendation letter. Demonstrated ability to work cross-functionally and independently in tech and educational settings.

Skills & Competencies

Technical Skills:

- **Web Development:** HTML, CSS, JavaScript, PHP, React.js, WordPress, WooCommerce
- **Data Analytics & Visualization:** Power BI, Tableau, Excel, MySQL, Python, Looker studio
- **Database Management:** MySQL, SQL Queries
- **IT Support & Networking:** Computer Maintenance, Troubleshooting, Internet Security
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Soft Skills:

- Leadership & Teamwork
 - Communication & Public Speaking
 - Problem-Solving
 - Adaptability
 - Analytical Skills
 - Report Writing & Data Interpretation
 - Time Management
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Education

Certificate in AI Tools in Web Design

International Youth Fellowship, Kenya

Jul 2024 to Oct 2024

Bachelor of Science in Information Technology

Great Lakes University of Kisumu, Kenya

Expected graduation date: **Nov 2025**

Kenya Certificate of Secondary Education

S.T Clare Butula Girls High School, Kenya.

Jan 2018 to Apr 2022

Grade: C+

Work Experience

ICT Intern (Attachment) Kisumu National Polytechnic | May 2025 – July 2025

- Supported ICT operations through data entry, report generation, and system updates.
- Worked with internal teams to assist with documentation, troubleshooting, and user support.
- Generated weekly Excel reports and practiced data structuring for internal reviews.
- Received recommendation letter for performance and professionalism.

AATI ELearning Website (project contributor) | May2025-July2025(part-time)

- Contributed to the design and development of an interactive e-learning platform for AATI, aimed at improving access to tech education
- Developed responsive frontend components using React.js and Tailwind CSS, with clean layouts for homepage, featured courses, and books
- Implemented sliding hero section, tabbed navigation, and modern UI structure with reusability in mind
- Collaborated with other developers using Git, and participated in code reviews and sprint planning

Computer Studies Teacher St Elizabeth Mary Girls High School –Kisumu | Jan, 2025 – April 2025

- Teach **Computer Studies**, covering **programming (Python, JavaScript, PHP), networking, and IT fundamentals**.
- Train students in **web development and database management**.
- Manage the **school's computer lab**, ensuring smooth operation and troubleshooting IT issues.
- Guide students in **coding projects, tech competitions, and digital literacy programs**.

Web Developer (Volunteer) – We Make Change

Nov 2024 – Present

- Developed and maintained web applications using **TypeScript, Next.js, Zustand, and React**.
- Collaborated with a team of developers to implement responsive and scalable UI components.
- Optimized performance and ensured accessibility compliance in web applications.
- Used state management techniques with Zustand to manage global application state effectively.

Community Outreach Volunteer | 12/01/2023 to Present

GLUK Rotaract Club

- Worked closely with a team to organize a community outreach program where we fed and distributed essentials to the needy people in the community, demonstrating strong organization skills and teamwork.

Frontend Developer

- Developed responsive web applications using HTML, CSS, and JavaScript, enhancing user engagement.
- Collaborated with backend developers to integrate PHP and MySQL, ensuring smooth data transactions and application functionality.
- Conducted user testing and debugging, improving site performance and usability metrics.

Data Analyst

- Analyzed complex datasets using Python and Excel, delivering actionable insights that Improved Operational efficiency
- Created interactive dashboards and reports in Tableau and Power BI, enabling stakeholders to visualize data trends and make informed decisions.

Projects

Projects Student Mental Health Analysis (Excel, Power BI, Tableau)

- Conducted data analysis on student wellness and behavior patterns.
- Built interactive dashboards to communicate findings to educators.

Loan Management System (PHP, MySQL, JavaScript)

- Developed a **web-based loan management system** to track loans, payments, and clients.
- Implemented **user authentication, reporting, and dashboard features**.

E-commerce Website – Malowa Beauty Collections (WordPress, WooCommerce)

- Designed and developed a fully functional **online store** for beauty products and services.
- Integrated **cart functionality, payment methods, and responsive UI/UX design**.

Restaurant Customer Satisfaction Analysis (Power BI, Tableau, Excel)

- Conducted data analysis on **customer reviews, sales trends, and satisfaction ratings**.
- Created **interactive dashboards** for better business decision-making.

Certifications & Courses

- **AI Tools & Web Design** – IYF Program *(Completed: 2024)*
- **Data Analytics with Power BI & Tableau** *Completed: 2024)*
- **Web Development (HTML, CSS, JavaScript, React.js, PHP)** *(Completed: 2024)*
- **Database Management & SQL (MySQL, PostgreSQL)** *(Completed: 2024)*

Hobbies & Interests

- **Coding & Web Development** – Exploring new technologies and building projects
- **Tech Blogging & Research** – Writing about IT trends, AI, and data analytics
- **Gaming & Problem-Solving** – Engaging in coding challenges and hackathons

Languages

- **English** – Fluent
 - **Swahili** – Fluent
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