





ESTHER MARGARET WARIMU MWANGI


UI/UX Designer and Software Developer


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 <https://esther-margaret-portfolio.vercel.app>

 <https://github.com/Esther-Margaret-Mwangi>

PROFFESIONAL SUMMARY

Passionate and versatile Software Developer with hands-on experience in UI/UX design, and a growing foundation in AI & Machine Learning, and Nest.js. Skilled in front-end development with React.js and GraphQL, alongside practical knowledge in computer networking, system configuration, and maintenance. Focused on delivering innovative solutions and exceptional user experiences through both creative design and technical excellence.

SKILLS

- Programming Languages – JavaScript, Python, PHP, TypeScript.
- Front-end Development – HTML, CSS, React.js, Tailwind CSS and GraphQL.
- AI & Machine Learning – Python (pandas, scikit-learn, TensorFlow basics)
- Version Control & Collaboration – Git, GitHub, Agile/Scrum
- Backend Development – Node.js, Nest.js and REST APIs.
- Computer Networking – Experience in network setup, maintenance, and troubleshooting.
- Other Skills – Problem-solving, debugging, system configuration, technical documentation

EXPERIENCE

SOFTWARE DEVELOPER/UX DESIGNER (Part-time), Hybrid

Ycenter Shambah Solutions, April 2024- June 2025

- Designed and developed a React.js-based farmer dashboard, integrating APIs and AI features to support decision-making.
- Worked with cross-functional teams to implement front-end features and improve performance.
- Conducted usability testing and applied feedback to enhance the product’s user experience.
- Collaborated on API integration and ensured seamless communication between frontend and backend systems.

SOFTWARE ENGINEER , Remote

GODAN (Global Open Data for Agriculture and Nutrition), March 2023 - February 2024

- Contributed to machine learning models in Python for fertilizer prediction to promote sustainable farming.
- Developed core functionalities in JavaScript and Python for web-based solutions.
- Supported UI/UX design by creating high-fidelity wireframes and collaborating with developers on implementation.
- Worked in an Agile environment, using GitHub for version control and collaboration.

NETWORK TECHNICIAN , On-site

AIC Polytechnic Naivasha, June 2022- August 2022

- Installed, configured, and maintained network equipment including routers, switches, and access points for different classes within the institution.
- Assisted in setting up internet connectivity and provided troubleshooting support to students and staff.
- Documented technical procedures and ensured stable network performance.

EDUCATION

BACHELOR OF SCIENCE (B.S) IN COMPUTER TECHNOLOGY

Multimedia University of Kenya, September 2021- May 2025

KCSE (Kenya Certificate of Secondary Education)

Naivasha Girls Secondary School, January 2017-April 2021

CERTIFICATIONS

- Google IT Professional Certificate
- Responsive Web Design – FreeCodeCamp

ACHIVEMENTS & AWARDS

- Winner – World Bank “Data for Soil Health & Scale” Summit – contributed to an award-winning solution using open data and ML.
- Developed and deployed several web applications.
- Built credit card fraud detection model (Python, ML) and API integrations for projects.

REFERENCES

Available upon request