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Esther Margaret Wairimu Mwangi

Professional 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

- **UI/UX Design** – 2 years of experience designing user-friendly interfaces and improving user interaction.
- **Front-end Development** – 2 years of experience with HTML, CSS, JavaScript, React.js, and GraphQL.
- **Backend Development** – Practical experience using Nest.js and API development.
- **AI & Machine Learning** – 1 year of experience working with Python to build ML models.
- **Computer Networking** – 1 year of hands-on experience in network setup, maintenance, and troubleshooting.
- **Version Control** – 2 years of experience using Git and GitHub for collaborative development.
- **Customer Service & Support** – 1 year of experience in resolving technical and non-technical issues.

Achievements & Awards

- World Bank "Data for Soil Health and Scale" Summit – Winner
- Google IT Professional Certificate
- Responsive Web Design Certificate from freeCodeCamp

Experience

Software Developer– Ycenter Shambah Solutions.
April 2024 – Present | Nairobi, Kenya (Hybrid)

- Led the UX design and front-end development of a personalized dashboard for farmers.
- Collaborated with the AI team to integrate intelligent features that assist smallholder farmers with agricultural decisions.
- Conducted regular usability testing to refine the user experience and improve engagement.

Software Engineer– GODAN (Global Open Data for Agriculture and Nutrition)
March 2023 – February 2024 | Remote

- Part of the UI/UX Design team that made High Fidelity wireframes for P4CDA website.
- Part of the AI team that developed machine learning models for fertilizer prediction to promote sustainable farming practices.
- Used Python and JavaScript to implement core functionalities and machine learning workflows.

Network Technician– AIC Polytechnic Naivasha
June 2022 – August 2022 | Naivasha, Nakuru, Kenya (On-site)

- 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 in Computer Technology: Multimedia University of Kenya (September 2021 – May 2025)

Reference

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