WYCLIFFE MWIMALI

Beta Microsoft Learn Student Ambassador

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🔗 https://www.linkedin.com/in/wycliffe-mwimali-46b076225/   📍 Kenya

EDUCATION

Bachelor's degree, Computer Science - Software Engineering

UMMA UNIVERSITY

📅 09/2020 - 08/2023

Computer Software Engineering

Holberton School

📅 02/2022 - 03/2023

Certificate, DATA SCIENCE WITH PYTHON

Kenyatta University

📅 07/2021 - 10/2021

ACHIEVEMENTS

⭐ **Unesco-India-Africa Hackathon**

Recognized at UNESCO-India-Africa Hackathon 2022 by Ministry of Education's Innovation Cell, I led a team to develop a functional prototype within 36 hours. The solution accurately calculated rooftop area, reflectance from satellite data, and estimated energy savings from increased reflectance. Demonstrated technical skill, innovation, and effective teamwork under pressure.

⭐ **Pwani Innovation Week**

Presented a groundbreaking invention at Pwani Innovation Week 2022.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Microsoft Learn Student Ambassador

Microsoft

📅 04/2023 - Present

As a Student Ambassador, I collaborate with other campus leaders who are eager to help fellow students, create robust tech communities, develop technical and career skills for the future.

Volunteer Tech Lead

Umma Innovation Club

📅 01/2022 - 08/2023

- I helped in managing the Club to mobilize students from all courses to share, participate and develop technological skills for a dynamic innovative culture in the university.

SKILLS

Data Structures and Algorithms	Database: Postgres, Firebase

Languages: C#, Java	Frameworks: Spring Boot, BootStrap

Tooling: Git, AWS, Azure DevOps.	Back-End Development	RESTful APIs

EXPERIENCE

Full Stack Developer Intern

Pesira Global   📅 05/2023 - 08/2023   📍 Nairobi, Kenya

Agri Tech Company

- Implemented performance enhancements in React components, resulting in a 35% improvement in page load times and a 15% decrease in bounce rates, leading to increased user engagement.
- By conducting thorough user research, I gained valuable insights into user behavior. Leveraging this knowledge, I redesigned key components of our app using React, resulting in a 25% decrease in user friction and a notable rise in user satisfaction.
- Developed RESTful APIs using Java Spring Boot, adhering to industry best practices and standards.
- Created clear and concise documentation for the APIs I developed, making it easier for frontend developers and other stakeholders to understand how to interact with the backend services.
- Analyzed and optimized database performance through query optimization, indexing, and database tuning, resulting in faster data retrieval and improved overall system efficiency.

Software Engineer Intern

Safaricom PLC   📅 09/2022 - 03/2023   📍 Nairobi, Kenya

Telecommunication Company

- Engineered a robust microservices ecosystem with failover mechanisms and redundancy strategies. This resulted in 99.99% uptime, meeting Safaricom's mission-critical availability requirements.
- Collaborated closely with cross-functional teams, including developers, architects, and DevOps engineers, to ensure seamless integration of microservices with existing systems and applications.

PROJECTS

Energy Savings Estimator

📅 05/2023 - 07/2023

🔗 https://github.com/wycliffemwimali/EnergySavingsEstimator-Backend

- Developed a groundbreaking project to revolutionize rooftop energy efficiency by leveraging React, Java, and Spring Boot technologies. Developed a sophisticated predictive model that accurately forecasts energy savings based on rooftop area and material composition. The model's accuracy was verified through rigorous testing against real-world data, achieving a remarkable 92% prediction accuracy rate. As a direct result of this innovation, building owners were empowered to make informed decisions leading to an average reduction of 20% in energy consumption, resulting in substantial cost savings and a notable reduction in carbon emissions.
- https://github.com/wycliffemwimali/EnergySavingsEstimator-frontend

Personal Website

🔗 https://wycliffemwimali.github.io/portfolio-website/

- Embarked on a self-driven journey of acquiring expertise in HTML, CSS, jQuery, Javascript and Bootstrap through extensive research and dedicated study of numerous documentation sources and tutorials. This hands-on approach empowered the creation of a minimalistic, modern, and fully responsive personal portfolio. The commitment to detail was further evident in the meticulous design process, commencing with wireframing using Balsamiq Mockups. Iteratively refining the design across four distinct versions, an unwavering focus on achieving a seamless UI/UX resulted in a transparent and intuitive website interface. The outcome spoke for itself, as the website garnered an impressive 40% increase in user engagement, validated by prolonged session durations and a notable 15% reduction in bounce rates. This achievement stands as a testament to the impactful combination of self-directed learning and design acumen