

MONICAH WAMUHU

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OBJECTIVE

Aspiring Software Engineer with 2+ years of front-end development experience. Skilled in programming, data analysis, and content creation, with a passion for using technology to solve real-world problems.

EDUCATION

Bachelor of Science in Software Engineering

Multimedia University of Kenya | Expected 2025

Relevant Coursework: Object-Oriented Programming, Systems Programming, Artificial Intelligence

Certificate in Cybersecurity

Moringa School | 2024

SKILLS

Technical Skills

- Languages: Java, JavaScript, C++

Soft Skills

- Creativity, Leadership, Teamwork & Collaboration, Public Speaking & Presentation

Tools

- GitHub, Slack, Visual Studio Code, PyCharm, AutoCAD, NetBeans IDE, Sublime Text, Kali Linux
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EXPERIENCE

Business Application Developer

Nairobi City Water and Sewerage Company | Nairobi, Kenya

May 2023 – August 2023

- Utilized ArcGIS software to monitor meter mapping across Nairobi, generating multiple reports to track progress.
- Developed a Python solution to filter Excel reports, automating the generation of summarized data for presentations.

Intern (Innovation Sector)

Nairobi City County | Nairobi, Kenya

July 1, 2024 – August 28, 2024

- Gained hands-on experience in innovation projects, contributing to process improvements and idea generation for civic technology solutions.

Co-Founder / Content Generator

Geek-ssters | Nairobi, Kenya

- Led content creation across social media platforms, enhancing community engagement with 90+ posts that attracted over 1,000 views and reached 500+ accounts.
 - Mentored 30+ local and international university students in soft skills through the "Creativity" module.
 - I work to monitor our growth since the time the organization was launched and brainstorm to generate new ideas for it's growth and outreach
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VOLUNTEER ROLES

Web Master

IEEE Computer Society | September 2024 – Present

- Brainstorming event ideas and generating visually appealing posters to markets events

Volunteer

IEEE Kenya Section | September 2024 – December 2025

- Contributing to community initiatives, supporting IEEE events, and promoting engineering education.

Technical Editor

CIT Club, Multimedia University of Kenya (MMU) | November 2024 – Present

- Assisting with content editing, ensuring technical accuracy, and contributing to club publications.

Organizer (Social Media Team)

AWS Student Community Day | August 2024 – Present

- Managing event promotion on social media platforms, enhancing event visibility and engagement.
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PROJECTS

Café Billing System

June 2023 – Present | Nairobi, Kenya

Developed a streamlined billing system for cafes that automates order processing, payment handling, and bill generation. Proficient in GUI design for user-friendly order entry and payment processing.

Data Sheet Sort Program

Created an Excel data organization tool to assist users in managing data effectively based on specified criteria, enhancing data accessibility and manipulation.

Airline Ticket Reservation System

Designed a system to manage passenger details, flight information, and bookings. Allows for record addition, deletion, and updating based on user requirements.

CERTIFICATIONS

- **Microsoft Azure AI Fundamentals** | Microsoft
 - **Data Protection Certificate** | CIPIT, Strathmore University
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AWARDS & ACHIEVEMENTS

- **IEEE Xtreme Programming Competition** | 2024
Achieved 13th position in Kenya and 1,350th globally, demonstrating proficiency in problem-solving and teamwork.
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EXTRA-CURRICULAR ACTIVITIES

- Organized various events in collaboration with the Women in Engineering MMU branch, with a focus on soft skills in STEM.
 - Youth Delegate, **Youth Connekt Africa Summit 2023** | Kenya
Engaged with global leaders to gain insights on youth development and career opportunities in STEM.
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LEADERSHIP

- **Co-Founder, Geek-ssters**
Led mentoring programs, hosted virtual and physical events, and fostered networking for STEM students.
- **Team Lead, Nairobi City Water and Sewerage Internship**
Supervised report generation and task distribution, ensuring timely and accurate reporting for the board.
- **Youth Delegate**

I was a youth delegate at the Youth Connekt Africa Summit 2023 in Kenya where I had an amazing opportunity to interact with leaders and gain valuable insights

EVENT ORGANIZING

Webinar on Building a Supportive Network in Tech as a Student(Geek-ssters edition)

Role: Organizer

Date: November 7, 2024

Details: Organized a webinar featuring Grace Ngari, a Machine Learning Engineer, on building a supportive network in tech for students. Promoted the event through social media channels and handled event logistics to ensure smooth execution and high engagement.

Online Webinar on Leveraging IoT/AI for Industrial Solutions (Series 1)(IEEE Computer Society Multimedia University Chapter)

Role: Organizer

Date: October 31, 2024

Details: Coordinated an online webinar with Aron Ayub, IoT Specialist and Arm Ambassador, focusing on IoT/AI for industrial solutions. Managed event promotion, guest communications, and participant registration, which led to a well-attended, successful event.

