Nicole Jepkemoi Kipkorir

+254 798-705-799|nicolekipkorir@gmail.com

EDUCATION

Egerton University   **Nakuru, Kenya**
Bachelor of Science (B.S.) in Computer Science Second Class Honours Upper Division Aug. 2020 – Nov.2024
Relevant Coursework: Structured Programming, Data Structures and Algorithms, Object Oriented Programming, Database Systems

WORK EXPERIENCE

ICT Authority   **Nairobi, Kenya**
Presidential Digital Talent Programme ("PDTP") Intern   **Jan. 2025 – Present**
Selected as a PDTP intern under the ICT Authority to contribute to digital transformation initiatives at the Nairobi City County Government, focusing on software development and data systems. The PDTP programme is designed to equip recent graduates with hands-on experience in core ICT domains, including Networks & Digital Infrastructure, Software Development, Information Security, Data Analytics, and Digital Marketing.

Key Responsibilities:

- Contributing to the development of a Project/Performance Information Management System (PIMS) used by county officials to monitor and evaluate ongoing county projects.

  - Frontend developed using Angular, with a Python-based backend and PostgreSQL for data storage and reporting.
  - Involved in both UI development and API integration, ensuring data accuracy and usability for end-users.

- Designing and prototyping an Employee Recognition System (ERS) to promote staff motivation and performance tracking.

  - Leading initial development using React.js for the frontend; collaborating with a cross-functional team on user flows and feature prioritization.

- Creating dynamic trackers and dashboards to monitor project KPIs, timelines, and financials across various departments.

  - Tools developed to enhance transparency, decision-making, and resource allocation within county projects.

- Collaborating closely with senior ICT officers, gaining mentorship in system design, software lifecycle management, and public sector IT operations.

County Government of Baringo   **Kabarnet, Kenya**
Junior Software Developer Intern   **May 2023 – Jul. 2023**
- Assisted in the development and debugging of front-end features using React.js and ensured seamless integration with backend services through Application Program Interface ("API") requests
- Provided technical support for hardware and software issues and improved workflow efficiency by resolving information communication & technology ("ICT")-related problems
- Collaborated with senior developers to optimize system performance, contribute to code reviews, and document software applications

Student Device Repair Shop   **Nakuru, Kenya**
Volunteer   **Sep. 2021 – Apr. 2022**
- Provided technical support to Egerton university students and the surrounding community by resolving students' mobile phone and laptops issues including assisting with software installation

HACKATHONS

Egerton University   **Nakuru, Kenya**
AgChain Hackathon: The Future of Food Security and Agriculture   **Nov. 2021**
- Led my team in a competitive hackathon sponsored by USAID, Virginia Tech, Purdue University, Egerton University, and AgUnity to develop an applet to help farmers identify pests and diseases affecting their crops and to take timely and effective actions. Won third place out of 8 competing teams for showcasing innovation in agricultural technology solutions

PROFESSIONAL DEVELOPMENT

Cyber Shujaa   **Nairobi, Kenya**
Cloud and Network Security   **Sep. 2023 – Dec. 2023**
- Completed a 3-month intensive coursework in Cloud and Network Security and developed expertise in securing digital assets and communication channels in cloud computing and network environments
- Developed skills in security monitoring, incident response and secured development practices, and in ensuring alignment with industry standards and emerging trends

SKILLS/ACTIVITIES

Skills: HTML, CSS, Tailwind CSS, JavaScript, Node.js, Express, React.js, MongoDB, Next.js, Figma, WordPress
Languages: English, Swahili