NELSON MASBAYI MUYODI

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SUMMARY

Passionate Full-stack software developer and Informatics and Computer Science student eager to gain hands on experience and contribute to meaningful projects. I am constantly motivated to expand my knowledge and take on new challenges.

EDUCATION

B.Sc., Informatics and Computer Science   April 2021 - December 2025

Strathmore University, Nairobi, Kenya

Relevant coursework: Computer Networks; Web Application Development; Internet Application Programming; Operating Systems, Software Engineering; Database Systems; Artificial Intelligence; Computer Graphics; Computer Security and Cryptography; Mobile Application Development; Server Administration

SKILLS

Computer Networks: Switching and Routing, Enterprise Networking, Security and Automation
Cloud Computing: AWS Architecture, Server Hosting, Scaling and Name Resolution, Storage and Archiving
Programming: Laravel(PHP), Python, C++, JavaScript, Kotlin, Java, React
Certifications: Cisco Certified Networking Associate(CCNA), AWS Certified Cloud Practitioner (CCP)

ACADEMIC PROJECTS

BomaCare | Laravel, MySQL, Jetstream

Developed a web-based platform using Laravel Jetstream to connect domestic workers with homeowners in Nairobi for quality homecare services.

- Implemented user role-based redirection to custom dashboards for administrators, domestic workers, and homeowners.
- Designed a seamless registration process that includes role selection, ensuring users are directed to appropriate pages.
- Utilized: Laravel 11, PHP, Blade Templates, MySQL, Tailwind CSS, JavaScript.

Heart Prediction Model

Built a machine learning model to predict heart health

- Implemented a Gradio interface for user interaction, allowing for easy visualization of predictions.
- Utilized: Python, Scikit-learn, Pandas, Gradio, Matplotlib.

Sobriety Tracker and Wellness App

Designed an Android app to support university students in overcoming challenges like mental health issues

- Developed core features such as a daily check-in system with mood tracking, note-taking, progress visualization, and emergency contact access.
- Managed data efficiently using Kotlin Flow, ViewModel integration, and lifecycle-aware components.
- Utilized: Kotlin, Android Studio, Firebase, Material Design, REST APIs.

VOLUNTARY WORK

Latitude59, Kenya: Partnerships Team Volunteer   November 2024
- Ensured the needs of Partners, Expos and Startups during the pitching competition were met.

Thomas Barnado Children's Home, Nairobi, KE: Volunteer (160 hours)   January 2024 – April 2024
- Achieved #2 highest selling associate within one month of hire date

HOBBIES

Football, Violin, Reading, Hiking.

REFERENCES

References will be provided.