DENNIS MIRING'U

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Nairobi, Kenya

SUMMARY OF QUALIFICATIONS

- Strong experience in software development and project management.
- Skills in planning, strategy development, and knowledge of customer and client business processes.
- Experience in GitHub Codespaces for efficient cloud-based coding.
- Effective in team collaboration, strategy development, and consulting, with experience working in structured programs like the ALX Software Engineering Program.

EDUCATION

KCA University   Nairobi, Kenya
Bachelor of Science in Applied Computing   September 2022- Present

Africa Leadership University (ALX)   Nairobi, Kenya
Diploma in Computer Science (Software Engineering)   October 2023- Feb 2025

TECHNICAL SKILLS

- **Programming Languages**: Python, Java Script (ES6+), C++, ReactJs, NodeJs Flask
- **Frameworks**: ReactJS, Flask, NodeJS, ExpressJS
- **Database**: MySQL, SQLite, Microsoft (MS) Access
- **DevOps**: Docker, Git, GitHub
- **Operating Systems**: Windows 10/ 8/ 6, Linux, Unix

RELATED EXPERIENCE

Software Engineer   Nairobi, Kenya
Africa Leadership University (ALX)   October 2023 – February 2025

- Contributed to the development of Airbnb clone by implementing a user-friendly front-end system using HTML, CSS and JavaScript and a backend using Flask and SQLite.
- Built and consumed RESTful APIs to enable smooth communication between frontend and backend systems.
- Collaborated effectively with team of developers on GitHub, utilizing version control and Agile methodology to deliver projects on time.

PROJECT EXPERIENCE

Customer Segmentation System   Nairobi, Kenya
Web-Based Machine Learning Application   August 2020 – December 2024

- Led the development of a web-based customer segmentation system using machine learning (K-Means clustering algorithm) to analyze and group customer data effectively.
- Developed a customer segmentation system using Flask, Python, and K-Means clustering.
- Implemented Google OAuth for secure authentication and Bootstrap for a user-friendly UI.
- Processed customer data with Pandas & Scikit-learn, generating actionable insights.
- Visualized segmentation results using Matplotlib & Seaborn.
- Deployed on Render, ensuring scalability and accessibility.

Personal Portfolio Project   Nairobi, Kenya
Personal Web Portfolio   December 2024 – January 2025

- Operated Unix Hp/Ux 11i in the transferring of files between development and testing regions
- Designed and developed a responsive portfolio website to showcase skills, projects, and blogs.
- Built using React front-end framework and Node.js (ExpressJS) back-end for a modern and user-friendly interface.
- Integrated dynamic content rendering and optimized the site for performance and SEO.

HONORS & INVOLVEMENT

- KCA University Tech Club (December 2024 – Present)