Daryn Ongera

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| Portfolio

PROFILE

I am a driven Computer Science major with a strong academic foundation and a deep passion for **cybersecurity, software development, and distributed systems**. I am eager to leverage my growing knowledge in AI/ML and a proven track record in innovative projects to contribute effectively to challenging roles in the technology sector.

EXPERIENCE

Intern | TotalEnergies Kenya | Nairobi, Kenya *Jan 2025 – Mar 2025*

- Developed and implemented a script to automate the policy update pipeline, significantly improving efficiency and ensuring consistent system compliance.
- Provided first-level technical support to employees for hardware, software, and network connectivity issues.
- Assisted in the administration of company servers, including user account management, system patching, and performance monitoring.
- Aided in monitoring network health and assisted with the configuration of network devices to maintain operational stability.

PROJECTS

Bulk Bank Account Validator

- **Strathmore Pesalink Hackathon (1st place)**
- Developed a robust bulk bank account validator capable of processing large volumes of data from JSON, XML, and XLS formats.
- Securely validates accounts, tokenizing and encrypting sensitive information.
- Delivers detailed valid/invalid reports via email in the original input formats.
- Engineered for high performance, utilizing batch and parallel processing to efficiently handle asynchronous requests.
- *Repository*

TutorMtaani: AI-Powered Learning Platform

- Developed an AI-powered tutor that curates personalized learning paths based on user interests, proficiency, and preferred study modes.
- Provides relevant resources (articles, videos, course links) and is accessible via WhatsApp, a web application, and a command-line interface.
- *TutorMtaani*

ML-powered SOC Threat Detection Assistant

- Leveraged machine learning (LSTM-autoencoder) for anomaly-based detection of novel, signature-less attacks.
- Integrated Natural Language Processing (NLP) for contextualized threat insights, enhancing security operations center (SOC) capabilities.

Other Projects

gzradio.ke

Digital Vetcare (Next js)

EDUCATION

Bachelor of Science in Computer Science | Strathmore University | Nairobi, Kenya *Expected Graduation: 2026*

High School Diploma | Moi Forces Academy | Nairobi, Kenya *Graduated: 2022*

- B+ average.

SKILLS & ABILITIES

- **Programming Languages:** Python (2 years), JavaScript (2 years), PHP (2 years), C++ (cybersecurity), Kotlin.
- **Tools & Technologies:** Bash Scripting, Vim motions, Linux, System Architecture, Flutter, Next.
- **Domains:** Software Engineering, Cybersecurity, Distributed Systems, AI/Machine Learning.
- **Soft Skills:** Networking, Teamwork, Problem-Solving, Grit, Fast learner.
- **Languages:** English (Fluent), Swahili (Native)

ACTIVITIES AND INTERESTS

Active sportsman, actively involved in rugby and hitting the gym.

REFERENCES

References available upon request.