Loren Deklerk

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https://deklerk.netlify.app | GitHub: https://github.com/Biden254

Professional Summary

Aspiring Technology Analyst with strong foundations in software engineering, cloud, and data-driven problem-solving. Experienced in Python, SQL, and Java for building scalable applications and analytical tools. Certified AWS Cloud Practitioner with exposure to cybersecurity, cloud systems, and collaborative development. Passionate about leveraging technology to solve complex, real-world business challenges in fast-paced environments.

Education

Bachelor of Computer Science (B.C.S.)
Dedan Kimathi University of Technology | 2024 – Ongoing
(Expected Graduation: 2028, on track for 2:1)

Technical Skills

- Programming & Data: Python, SQL, Java, JavaScript, C++ (learning), Data Analysis
- Cloud & Systems: AWS, Cloud Security, Linux, Streamlit • Tools: Git, Splunk, Wireshark, OpenAI API
- Frameworks & Libraries: React, Asyncio, Rule-based AI
- Concepts: Data Structures & Algorithms, Risk Analysis, Software Development Lifecycle

Work Experience

Software Engineering Intern | Electronic Arts (Virtual) – November 2025

- Proposed a new feature for the EA Sports College Football and wrote a Feature Proposal describing it to other stakeholders.
- Built a class diagram and created a header file in C++ with class definitions for each object.
- Patched a bugfix and optimized the EA Sports College Football codebase by implementing an improved data structure.

Projects

- **EduAI — AI-Powered Education Assistant**

- Designed an AI assistant for scheduling and engagement prediction using multiagent collaboration.
- Refactored recursive logic into a class-based architecture, reducing memory usage by 30%.
- GitHub: https://github.com/Biden254/Edu-AI

- **AI Dispatch System**

- Built an emergency dispatch simulator with coroutines to prioritize events by AIscored urgency.
- Integrated predictive modules for resource allocation, improving efficiency by 25%.
- GitHub: https://github.com/Biden254/AI-Dispatch-System

- **Gen AI Web App**

- Developed a web app integrating GPT & DALL-E for natural language-driven text/image generation.
- Implemented error handling and user-friendly UI for smooth client interaction.
- GitHub: https://github.com/Biden254/GEN-AI

Certifications & Training

- Software Engineering Bootcamp | Power Learn Project (PLP) (2025–Present)
- AWS re/Start | AWS (2025)
- Cisco Networking Devices & Initial Configuration | Cisco (2024)
- Cisco Python Certification | Cisco (2024)

Extracurricular Activities

- AWS Club: Organized cloud workshops and peer-learning sessions.
- Cybersecurity Society: Participated in Capture-the-Flag (CTF) challenges and secure coding discussions.