DINEO KEKANA

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EDUCATION

Bachelor of Science in Environmental Science with Geography and Computer Science
North West University, South Africa
Expected Graduation: December 2025
Key Courses: Data Structures, Algorithms, Software Engineering, Web Development,
Database Systems, Machine Learning, Artificial Intelligence
Final Year Project: Smart Energy Monitor – Developed an IoT-based system to track real-
time energy usage using Arduino, Python, and Firebase.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, HTML5, CSS3, SQL
Frameworks & Tools: React, Node.js, Express.js, Bootstrap, Git, Docker
Databases: MySQL, MongoDB
Other: REST APIs, Agile (Scrum), Linux, OOP, GitHub

PROJECT EXPERIENCE

Smart Campus Attendance System
Technologies: Python, Flask, MySQL, OpenCV
- Automated student attendance using facial recognition
- Implemented REST APIs and a backend MySQL database
- Achieved 92% accuracy using LBPH and Haar cascades

Personal Portfolio Website
Technologies: HTML5, CSS3, JavaScript, GitHub Pages
- Created a fully responsive portfolio website
- Showcases academic projects, resume, and GitHub contributions

E-commerce Web App (Team Project)
Technologies: React, Node.js, Express, MongoDB
- Developed a full-stack e-commerce platform with cart and checkout features
- Worked collaboratively using Git and agile methods

CERTIFICATIONS

- Google IT Support Professional Certificate – Coursera, 2024
- Machine Learning Introduction – DataCamp, 2024
- Responsive Web Design Certification – freeCodeCamp, 2023

LANGUAGES

English (Fluent)
Northern Sotho (Conversational)

REFERENCES

Available upon request.