

Zenande Mzinzi

AI/ML Developer & IT Support Specialist

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Professional Summary

Passionate AI/ML and IT Support professional with hands-on experience building intelligent solutions. Proficient in Python, data analysis, and deploying models using Docker and cloud tools. Motivated to grow through collaboration and continuous learning.

Cofimvaba S.S.S - NQF Level 4

Completed: 2020

Education

Walter Sisulu University - ICT Support Services

Completed: 2024

Capaciti AI/ML Bootcamp - Cape Innovation & Tech Initiative

Expected Completion: July 2025

Featured Projects

- Sentiment Analysis Dashboard -

Link: <https://sentiment-analysis-git.streamlit.app/>

- Gela -

Link: <https://gela-13mzinzi.glide.page/>

- End-to-End AI Solution -

Link: <https://intelliassist-ai-web-2025.fly.dev/>

- Intelligent Resume -

Link: <https://resume-builder-app-tcup.glide.page/>

- Bias Audit Report - This project presents a full bias audit of a synthetic South African hiring dataset, analyzing potential discrimination in machine learning models used for employment screening. Using IBM's AI Fairness 360 toolkit, the audit identifies disparities across race and

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gender, implements fairness metrics, and tests mitigation techniques to reduce harm and improve ethical outcomes. The analysis connects technical findings to real-world consequences in the job market and recommends actionable improvements for dataset collection and model deployment.

Technical Skills

- Programming: Python
- Libraries: Pandas, NumPy
- Tools: Streamlit, Glide, VS Code
- IT Ops: Windows/Linux support, Networking, Imaging, Active Directory