

APHIWE JOKO

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CAREER OBJECTIVE

Recent ICT Application Development graduate passionate about AI, ethical tech, and inclusive design. Skilled in building intelligent web and mobile applications using Java, Python, Power Apps, and OpenAI APIs. Actively seeking internship or junior opportunities in data analysis, AI development, or full-stack development, where I can grow, contribute meaningfully, and build smart, responsible systems.

TECHNICAL SKILLS

- Programming: Java, Python, JavaScript, VB.NET
- Web: HTML, CSS
- AI/ML: OpenAI APIs, Fairlearn, AIF360, Scikit-learn, Prompt Engineering, Streamlit
- Databases: MS SQL, MySQL
- Tools: Power Apps, Git, GitHub, VS Code, Microsoft Excel, Power Automate
- Platforms: Google Colab, Vercel, Render

EDUCATION

Diploma in ICT in Application Development

Institution: Walter Sisulu University

Completion: 2025

CERTIFICATIONS

- Generative AI with Large Language Models – Coursera – June 2025
- AI on Microsoft Azure – Coursera – June 2025
- Introduction to Web Development – SheCodes – Sept 2024
- Data Science Tools – IBM – Oct 2022
- Data Science Foundations – IBM – Oct 2022
- Generative AI with LLM

PROJECTS

- AI Content Generator (TerraTutor)

Built an AI-powered web tool that generates quizzes, lesson plans, and study guides for teachers and learners. Integrated OpenAI API for content generation and deployed via Vercel.

 <https://terratutor.vercel.app/>


- CareAI Chatbot

Developed a healthcare assistant chatbot that uses NLP to assess symptoms and schedule medical appointments. Focused on accessibility and user trust.

 <https://careai-chatbot-demo.example.com>

- Income Prediction Bias Audit

Conducted fairness analysis of income prediction models using Python, Google Colab, and Fairlearn. Assessed bias using demographic parity and proposed mitigation strategies.

 <https://colab.research.google.com/drive/1p9FonUBxePpT0H7nXzm9zlcxeUVLDDcZ?usp=sharing>.

- Sentiment Analysis App

Developed a sentiment analysis dashboard in Python for classifying user feedback from text. Explored data preprocessing and model performance metrics.

 <https://sentimental-7lazj7jmarilhqx5grpx7c.streamlit.app/>

LEADERSHIP & VOLUNTEERING

- Volunteer – Rays of Hope NGO, Johannesburg
- Former Secretary – Student Organization at Tertiary Level

SOFT SKILLS

Communication | Teamwork | Problem Solving | Empathy | Adaptability | Leadership

PERSONAL STATEMENT

I believe technology should be accessible, inclusive, and ethical. My vision is to use AI responsibly and design tech solutions that truly serve people especially in education, health, and community development.