

DIMPHO KGUME PITSI

ABOUT ME

I am a highly motivated and results-driven developer seeking a challenging opportunity to leverage my skills and knowledge in a dynamic developing environment

- AGE: 25 YEARS

- CRIMINAL RECORD: NONE

- MERITAL STATUS: SINGLE

CODING CERTIFICATION

MICROSOFT ONLINE COURSE DATA

SCIENCE & PREPROCESSING

- Data Cleaning
- Data Analysis & Manipulation
- Classification & Forecasting
- Model Building (Predictive Models)
- Deep Learning (Neural Network)

HACKATHONS

MICROSOFT AI SKILLS

- Project: AI infused centralized database for digitizing SAPS Physical files.
- User Side: AI chatbot with form filling automated forms and rapid crime reporting
- Top Ten Certificated

MOMO MTN 2025

HACKATHON

- Project: AI infused chatbot with AI agents for financial inclusion and smart health insurance (MediRescue) for both disadvantaged and advantaged persons, integrated with possible MoMo payments functionalities
- User Side: AI chatbot with AI agents aiding in health insurance, financial and health guidance, all MoMo payments and purchasing functionalities and AI browse use.
- 1st place (MoMo MTN hackathon 2025 winner)

SMU DIGITAL HEALTH

- Project: Digitizing Hospitals File System With a centralized Database and Hospital Pre-Alerting System
- Top Ten Certificated and Competence Certificated

Lilian Ngyoi Pretoria

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EDUCATION

UNIVERSITY OF LIMPOPO

BSc Physical and Mineral Science

- Level: 3rd (final)
- Incomplete (Outstanding Module)
- Last year registered: 2024
- Student No: 201945358

UNIVERSITY OF LIMPOPO

Computer literacy (ICT)

- Year Obtained: 2019
- Student No: 201945358

SKILLS

- Programming (Python)
- Data Analytics
- Team-work
- Flexibility
- AI Competence
- AI Agents building & Use
- Collaboration
- Communication
- Data Science
- Database
- Integration
- Networking

PROJECTS

PlanaX

Sep 2025 - Present

- Academic Research Assistant with Multi-Agent Intelligence

A sophisticated chat interface powered by multiple AI agents designed for academic research and document analysis.

Key Features:

Multi-Agent System: Specialized agents for general queries, deep research, academic work, and learning assistance

Smart RAG Control: Toggle between document-only mode (searches your uploaded files) and general knowledge mode

Document Management: Upload, organize, and search through research papers and documents with folder-based organization

Molecular Visualization: 3D molecular structure viewer with interactive controls for chemical compounds

Research Artifacts: Automatically generates structured research documents with sources and citations

Agent Awareness: Context-aware agents that understand conversation history and can modify research artifacts

Real-time Streaming: Live response streaming with thinking indicators and smooth animations

Modern UI: Clean, responsive interface with dark/light mode, built with Next.js, Tailwind CSS, and shadcn/ui

STATUS: Still in Dev.

PLANA

- PLANA is a smart academic planning platform designed to help students organize assessments, monitor progress, and enhance performance. It provides structured study schedules, performance analytics, and AI-powered support to enable efficient time management and informed academic decision-making.
- <https://plana-mm9r.vercel.app/login>

Bank Account Predictor

- An AI-powered application that predicts the likelihood of an individual having a bank account based on demographic and socioeconomic factors. Built with modern machine learning techniques and a beautiful user interface.
 - 🎯 Accurate Predictions: Advanced machine learning model trained on extensive demographic data
 - 💻 Interactive Interface: User-friendly web application built with Streamlit
 - 📊 Real-time Visualization: Beautiful data visualization using Plotly
 - 🚀 Fast Processing: Optimized for quick predictions
 - 🔒 Secure: No data storage, all predictions made in real-time.
- <https://aicodesage-bank-account-predictor-srcapp-3l09ro.streamlit.app/>

ACTIVITIES

- As an avid Data, AI and a modern Developer and people-person, I am passionate about joining Industry level communities like Entelect, building not only codes and softwares but also relationships, and identifying opportunities. In my free time, I enjoy evolving and keeping track of the fast-moving AI fields and reading and exploring the business side of software products as I believe that puts one ahead of competition in all aspects in the 0 and 1s industry.

CERTIFICATIONS & BADGES

- Microsoft Introduction to Generative AI
- Microsoft Agentic AI workshop
- Microsoft Power Automate flows for AI agents
- Microsoft Copilot studio