

Vusumuzi Nkosi

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SUMMARY

Data Analyst and Aspiring Data Scientist with strong skills in SQL, Python, Power BI, Tableau, and Excel. Experienced in data cleaning, visualization, and business intelligence reporting, with hands-on expertise in building dashboards and conducting statistical analysis. Passionate about using data-driven insights to support decision-making.

EXPERIENCE

Lecturer – IT and Mathematics

Majuba TVET College

February 2017 - Present, Newcastle

- Taught IT modules (programming, software applications) and Mathematics at the college level.
- Designed and implemented curricula and assessments aligned with industry and policy standards.
- Supported students with problem-solving in IT and applied mathematics.
- Mentored students in research initiatives and IT competitions, facilitating participation in regional and national events to cultivate advanced technical and analytical proficiencies.

PROJECT

US Household Income Analysis

Personal Project • github.com/ngwanelegacie/us-household-income-sql.git • September 2025 - September 2025

- SQL-based project focusing on data cleaning, aggregation, and exploratory data analysis of income data.
- Analyzed US household income data by cleaning, aggregating, and conducting exploratory data analysis using SQL, uncovering key trends and insights to inform strategic decision-making.
- Engineered a data-driven solution to transform raw US household income data, applying advanced SQL techniques for comprehensive cleaning, aggregation, and in-depth exploratory analysis to uncover actionable economic patterns.

World Life Expectancy Analysis

Personal Project • github.com/ngwanelegacie/world-life-expectancy-sql.git • September 2025 - September 2025

- Investigated trends and correlations in global life expectancy using SQL for data cleaning and analysis.
- Modeled key demographic and health variables to forecast life expectancy changes, empowering strategic planning for global health initiatives.
- Synthesized large-scale demographic datasets to uncover actionable insights and support comprehensive policy recommendations targeting global health improvements.

EDUCATION

Data Science Program

ALX Africa Academy • Remote • Mar 2025 - Jun 2026

BSc, Mathematics & Computer Science

University of South Africa • Pretoria, SA • Jun 2022 - Jan 2025

BEd, Mathematics & Computer Science

University of South Africa • Pretoria, SA • Jun 2012 - Jan 2017

CERTIFICATIONS

Data Analyst Certificate (ALX Africa)

Mar 2025 - Sep 2025

- Skills: SQL, Power BI, Data Visualization, Data Cleaning, Google Sheets, A/B Testing, Regression Analysis.

AI Engineering Bootcamp (Zero To Mastery Academy)

Feb 2025 - Mar 2025

- Skills: Artificial Intelligence (AI), AI Engineering, Machine Learning, Generative AI Tools, AWS SageMaker.

Prompt Engineering Bootcamp (Zero To Mastery Academy)

Jan 2025 - Feb 2025

• Skills: Prompt Engineering, Working with LLMs, Artificial Intelligence.

SKILLS

Python

Data Cleaning, Regression Analysis, Predictive Modeling, A/B Testing

Power BI, Tableau, Excel, Google Sheets, AWS SageMaker

Business Intelligence, Data Visualization, Storytelling

Artificial Intelligence (AI), AI Engineering, Machine Learning, Generative AI Tools, Prompt Engineering, Working with LLMs
