

Vusumuzi Nkosi

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Profile

Data professional with expertise in Mathematics, Computer Science, and Data Science. Experienced in teaching and lecturing at secondary and TVET level. Skilled in SQL, Python, and machine learning, with a strong interest in applying AI and technology to education. Focused on creating interactive visualizations and data-driven insights that support decision-making.

Education

Data Science Program | ALX Africa Academy (Mar 2025 – Jun 2026)

- Focused on data analysis, machine learning, and applied AI.

BSc, Mathematics & Computer Science | University of South Africa (Jun 2022 – Jan 2025)

BEd, Mathematics & Computer Science | University of South Africa (Jun 2012 – Jan 2017)

Experience

Lecturer – IT and Mathematics | Majuba TVET College, Newcastle (Feb 2017 – Present)

- Teach IT modules (programming, software applications) and Mathematics at the college level.
- Design and implement curricula and assessments aligned with industry and policy standards.
- Support students with problem-solving in IT and applied mathematics.

Mathematics & Technology Teacher | Mdumiseni High School, Newcastle (Jan 2012 – Dec 2016)

- Developed lesson plans and assessments for Mathematics and Technology.
- Applied creative teaching strategies to simplify complex concepts.
- Managed classrooms and promoted a positive learning culture.

Skills

- SQL
 - Power BI & DAX
 - Python (Pandas, NumPy)
 - Tableau
 - Excel & Power Query
 - Data Modeling
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Interests

- Data Science and Machine Learning
 - Artificial Intelligence
 - Technology in Education
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Languages

- IsiZulu – Native
- English – Proficient
- Afrikaans – Conversational