XOLELWA MAKHA

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Date of Birth: 16 March 2003

ID No: 0303161099088

Physical address: 50 Jim Fouche, Universitas, Bloemfontein, 9302

Nationality: South African

Gender: Female

Race: Black

Home Language: IsiXhosa

Spoken languages: IsiXhosa, English, Sesotho and IsiZulu

Motivated and versatile Computer Science and Business Management (Statistics) student from South Africa with a strong foundation in software development, data analysis, and web technologies. Proficient in Python, R, SQL, C#, HTML, CSS, JavaScript, and Visual Basic for Applications (VBA) with Excel. Experienced in using tools like SAS, Excel, Visual Studio, and SQL Server for data-driven problem-solving. Certified in Cybersecurity, Data Science, and Modern AI, with a TEFL certificate that enhances communication and instructional skills. Passionate about developing practical, intelligent solutions and continuously expanding my technical expertise. Actively seeking tech opportunities where I can contribute, learn, and grow as a developer and analyst.

EXPERIENCE

Student Projects | University of the Free State, South Africa

Jan 2023 – Present

- Developed C# console applications.

- Worked with SQL Server to design, implement, and manage a relational database, including views, stored procedures, triggers, and functions.

- Built data analysis pipelines in SAS using student performance data across multiple Excel files: merging, cleaning, and analysing academic performance under various grading schemes.

- Applied HTML, CSS, and JavaScript to create responsive web pages as part of coursework and personal learning.

- Used VBA in Excel to automate calculations, generate reports, and improve spreadsheet interactivity.

Cybersecurity & AI Training | Self-directed Online Learning | Cisco

2025

- Completed Introduction to Cybersecurity (Cisco), gaining foundational knowledge in online threats, attack vectors, and defensive techniques.

- Built a strong understanding of AI fundamentals in Modern AI and explored Python tools in Introduction to Data Science.

- Applied data analysis techniques using pandas, NumPy, and matplotlib on real-world datasets in practice labs.

Peer Tutor | Informal Peer Support | University of the Free State

2025

- Helped classmates with concepts in R, Python, and basic statistics.

- Used TEFL communication skills to explain complex ideas clearly and patiently.

- Guided fellow students through Excel automation using VBA.

References:

- Available upon request.

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY MAJORING IN COMPUTER SCIENCE AND BUSINESS MANAGEMENT (STATISTICS STREAM)

University of the Free State

2021 - present

GRADE 12 (WITH A DISTINCTION IN ISIXHOSA HL)

Tholang Senior Secondary School

December 2020

SKILLS

- Python, R, C#, SQL, JavaScript, HTML, CSS, Visual Basic (VBA)
- SAS, Excel (Advanced), SQL Server, Visual Studio, RStudio, Jupyter Notebook
- HTML5, CSS3, JavaScript
- Excel VBA scripting for report generation and workflow automation
- SQL queries, views, stored procedures, triggers, normalization (SQL Server)
- Descriptive and inferential statistics, data cleaning and transformation, regression analysis
- Network threats, security principles, attack vectors (Cisco-certified)
- Basic AI principles, data wrangling, exploratory data analysis, machine learning (Intro level with Python)