

SAMUKELO SOLLY MAKHANYA

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Professional Summary

Detail-oriented Data Analyst with hands-on experience supporting data analysis, reporting, and data quality processes within a government environment. Skilled in SQL, R, Python, and Power BI to analyze datasets, identify anomalies, and generate insights that support audit processes and informed decision making. Strong foundation in data governance, data validation, and compliance-focused reporting.



Skills / Strengths

- Data Analysis & Audit Support
- Data Cleaning, Validation & Data Quality Management
- Data Visualization & Dashboard Reporting (Power BI, DAX)
- SQL (Joins, Query Optimization)
- Python (Pandas, NumPy) for Data Analysis
- R for Data Analysis
- ETL Processes & Data Transformation
- Data Governance & Compliance Awareness
- KPI & SLA Monitoring and Reporting
- Microsoft Excel (Data Analysis & Functions)
- Database Management (SQL Server)
- Stakeholder Engagement & Requirements Gathering



Experience

March 2025 – Present **ICT Intern – Data Analyst**
Department of Employment and Labour | Compensation Fund

- Performed data analysis on claims and financial datasets to identify anomalies, inconsistencies, and data quality issues relevant to compliance and reporting
- Supported audit and reporting processes by preparing clean, validated datasets for analysis and review
- Developed Power BI dashboards to monitor KPI performance and SLA compliance, improving visibility of operational performance
- Applied data validation and reconciliation techniques to ensure accuracy, completeness, and integrity of reporting data
- Automated recurring reports using SQL and Python, improving efficiency and ensuring timely delivery of reports
- Assisted in implementing data governance practices, ensuring adherence to data quality standards and internal controls
- Collaborated with stakeholders to translate business and audit requirements into structured data reports and insights

March 2023 –
December
2024

E-Learning Assistant
Walter Sisulu University

- Maintained data systems supporting 1,000+ users, ensuring data integrity, accuracy, and system reliability
- Generated structured reports to support operational monitoring and decision-making
- Conducted data quality checks and validation processes, improving consistency across institutional datasets
- Supported compliance with data handling procedures and improved data management workflows
- Provided technical support and resolved data-related issues, strengthening analytical and problem-solving skills



Education

Graduated: May 2025

Bachelor of Science Honours in Computer Science
Walter Sisulu University — Mthatha

Graduated: May 2023

Bachelor of Science in Computer Science
Walter Sisulu University – Mthatha

Completed: December
2017

Grade 12
Chief Charles Secondary School



Research & Projects

Claims Performance & SLA Dashboard (SQL Server, PowerBI)

- Developed dashboards to monitor SLA compliance and performance metrics, supporting Oversight and reporting functions
- Extracted and transformed data using SQL to ensure accuracy and readiness for audit and Analysis
- Applied data modeling and DAX to create KPIs aligned with operational performance tracking
- Enabled identification of performance gaps and supported data-driven decision-making

Geotrash Data Capture & Analytics Application (Kotlin, Firebase)

- Designed and developed a data collection application capturing 500+ structured and geotagged Records
- Implemented real-time data storage and ensured data consistency and integrity
- Cleaned and analyzed collected data to identify patterns and support reporting
- Demonstrated ability to manage end-to-end data lifecycle from data collection to analysis and Visualization



Certifications & Training

- Data Analysis with Python – **IBM Coursera**
- Data Analysis with R Programming – **Google Coursera**
- Data Analysis & Visualization with Power BI – **Microsoft Coursera**
- Preparing Data for Analysis with Microsoft Excel – **Microsoft Coursera**
- Extract, Transform & Load (ETL) Data in Power BI – **Microsoft Coursera**



References

Name	Company / Role	Contact Details
DD Makgabo Kgomo	ICT Manager, Compensation Fund	060 522 1324
Tumiso Malatjie (ASD)	Supervisor, Compensation Fund	060 983 2639
Mr. Daise Sibanda	Mentor – Data Scientist	073 183 8105
Mr. Cwala	E-Learning Supervisor, Walter Sisulu University	067 805 5267
