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Johannesburg, South Africa

**SUMMARY**

A highly motivated and results-driven recent graduate with a postgraduate diploma in Data Science (passed with distinction) from the University of the Witwatersrand. Robust foundation in Data Science, including proficiency in programming languages such as Python, SQL, R and SAS (basic). I have excellent communication skills (written and verbal). I am team player, but can also work independently.

**TECHNICAL SKILLS**

**Programming Languages**

* **Python**: for data manipulation, analysis, and visualization.
* **SQL**: for managing and querying relational databases.
* **R**: for statistical analysis and data visualization.
* **SAS (basic)** : for data management

**Data Visualization**

* **Power BI**: to create interactive visualizations and reports
* **R (ggplot2)**: for the creation of complex and customized plots, graphs, and charts etc
* **Seaborn**: for drawing attractive and informative statistical graphics, such as heatmaps, bar plots, and pair plots.
* **Matplotlib**: for creating animated and interactive visualizations.

**Machine Learning**

* **Scikit-learn**: for building and training machine learning models.
* **Apache Spark**: for run machine learning algorithms on big data

**Development Environments**

Proficient working in the enviroments below for interactive coding, data analysis, and database management.

* Jupyter Notebook, IDLE and Google Colab
* RStudio and SAS Studio
* SQL Server Management Studio and MySQL

**Other Skills**

* **Geographic Information Systems (GIS)**: for mapping and analyzing spatial and geographic data
* **Advanced Excel, DAX**: for data manipulation and creating custom calculations in Power BI.
* **Bioinformatics**: for analyzing and interpreting biological data, such as genomics data

**EDUCATION**

**Postgraduate Diploma in Data Science**

(NQF Level 8)

(passed with distinction)   
University of the Witwatersrand, Johannesburg | January - November 2024

**Master of Science in Medicine (Clinical Microbiology and Infectious Diseases)**

(passed with distinction)  
University of the Witwatersrand, Johannesburg | January 2014 – December 2018

**REFERENCES**

* **Dr Kedibone Ndlangisa**  
  Senior Medical Scientist

National Institute for Communicable Diseases  
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* **Ms Malefu Moleleki**  
  Lecturer

Stellenbosch University  
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