NTUTHUKO MAPHALALA

Pietermaritzburg | LinkedIn | GitHub | Portfolio | Website | ntuthukomaphalala4@gmail.com | 0722527328

OBJECTIVE

Detail-oriented Computer Science and IT graduate with a strong foundation in data management and cloud computing. Experienced in data analysis, report generation, and IT solutions for environmental projects. I am excited to contribute analytical and programming skills in a dynamic data analytics internship, supporting data-driven decision-making and reporting.

SKILLS AND ABILITIES

Technical Skills

- **Data Management:** R, SQL, Excel, Database Management, Data Analytics, Data Science

- **Web Development:** HTML & CSS, JavaScript

- **Programming Languages:** Python, Java, C++, C#

- **Integrated Development Environments (IDEs):** Jupyter Notebook, Visual Studio Code, Android Studio

- **Cloud Computing:** Azure, Virtualization, Containerization

- **Operating Systems:** Windows, MacOS, Ubuntu

- **Data Visualization & Reporting:** Excel, R, Power BI, Tableau

- **Tools:** Git, GitHub, SA-SAMS, Home Assistant

Soft Skills

- Problem-Solving, Communication, Collaboration, Analytical Thinking, Adaptability, Time Management, Continuous Learning

EDUCATION

Bachelor of Science in Computer Science and Information Technology
University of KwaZulu-Natal | Pietermaritzburg | *May 2023*

- Developed core technical skills in data structures, database management and algorithms.

PROFESSIONAL EXPERIENCE

Data and Information Technology Development (Eucalyptus Tree Improvement Project)
Institute for Commercial Forestry Research (ICFR) | Pietermaritzburg
August 2024 – Present

- Engineered data analysis workflows using R and Excel, resulting in 20% improved data accuracy

- Generated insights and created data reports to support research teams, enhancing decision-making processes

BMW YES Programme
Afrika Tikkun Services | Pietermaritzburg
March 2024 – July 2024

- Managed over 900 student records using SA-SAMS, achieving a 10% reduction in data processing time

- Gained hands-on experience in data cleaning, organization, and preliminary analysis

Azure Cloud Architect Apprentice
Deviare | Pietermaritzburg
September 2023 – March 2024

- Strategically optimized resource allocation on Azure, reducing cloud expenses by 15%

- Strengthened analytical skills by managing large data sets and creating performance reports

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CERTIFICATIONS

- **Introduction to Data Science** – LinkedIn Learning (2025)

- **Learning Data Analytics: 1 Foundations** – LinkedIn Learning (2025)

- **Data Visualization with R** - Cognitive Class (2024)

- **Virtual Global Apprenticeship in Cloud Computing** - Belong (2024)

- **R for Data Science** - Cognitive Class (2023)

- **Azure Cloud Architect** - Deviare (2023)

- **HMS Foundation Course** - Huawei Training (2022)

- **ICDL Profile Certificate** - Midlands Community College (2016)

REFERENCES

Available on request