

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. 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
- Programming Languages: Python, Java, C++, C#, Jupyter Notebook
- Cloud Computing: Azure, Virtualization, Containerization
- Operating Systems: Windows, MacOS, Ubuntu
- Data Visualization & Reporting: Excel, R, GitHub
- Tools: Git, SA-SAMS, Home Assistant

Soft Skills:

- Problem-Solving, Communication, Collaboration, Analytical Thinking, Adaptability, Time Management, Continuous Learning
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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, algorithms, and software engineering
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PROFESSIONAL EXPERIENCE

Data and Information Technology Development Intern (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.

Data Management Intern – 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.

CERTIFICATION

- 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