NTUTHUKO MAPHALALA

Pietermaritzburg | LinkedIn | GitHub |

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OBJECTIVE

Results-driven Computer Science and IT graduate specializing in Azure Cloud and data solutions, with hands-on experience in environmental IT applications. Eager to apply advanced cloud computing, data analysis, and software development skills in a dynamic technical role.

SKILLS AND ABILITIES

- **Programming:** Java, C++, Python, C#
- **Data Management:** SQL, R, Excel, Database Management
- **Cloud Computing:** Azure, Virtualization, Containerization
- **Web Development:** HTML, CSS, JavaScript
- **Tools:** Git, SA-SAMS, Home Assistant, GitHub
- **Soft Skills:** Problem-Solving, Collaboration, Communication, Adaptability, Time Management, Attention to Detail, Project Management, Critical Thinking, Continuous Learning

EDUCATION

Bachelor of Science in Computer Science and Information Technology, May 2023

University of KwaZulu-Natal, Pietermaritzburg

- Acquired comprehensive knowledge in software development, data structures, and cloud computing. Completed projects in programming, system design, and data analysis, with proficiency in Java, C++, and Python.

EXPERIENCE

Data and Information Technology Development Intern, August 2024 – Present

Institute for Commercial Forestry and Research (ICFR), Pietermaritzburg, 3201

- Collaborated on forestry research data analysis using R and Excel, increasing data accuracy by more than 20% and improving data accessibility

BMW YES PROGRAMME (Orient Heights Primary School), March 2024 - July 2024

Afrika Tikkun Services (Pty) Ltd, Pietermaritzburg, KwaZulu-Natal

- Enhanced data management for over 300 student records in SA-SAMS, reducing processing time by 10%.

AZURE CLOUD ARCHITECT APPRENTICESHIP, September 2023 - March 2024

Deviare, Pietermaritzburg, KwaZulu-Natal

- Achieved a 15% reduction in cloud expenses through strategic resource allocation and management on Azure.

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