

# NTUTHUKO MAPHALALA

## PROFESSIONAL SUMMARY

- Passionate and committed Computer Science & IT graduate with hands-on experience in cloud computing, environmental education, examination processes, and data and information development at ICFR (UKZN). Proven ability to collaborate with stakeholders, manage time effectively, and provide innovative solutions. Proficient in various programming languages, cloud technologies, and data science.

## EDUCATION

- Bachelor of Science in Computer Science & IT
  - University of KwaZulu-Natal, May 2023
- National Senior Certificate
  - Mavumbuka High School, November 2015

## WORK HISTORY

### Data and Information Technology Developer

Institute for Commercial Forestry Research (ICFR - UKZN),  
Pietermaritzburg, KwaZulu-Natal

August 2024 - Present

- Conducting fieldwork to collect samples and data, which may involve working in diverse and challenging environments.
- Ensuring the accuracy and reliability of research data and methodologies through rigorous quality control procedures.
- Maintaining and updating databases to ensure data accuracy, integrity, and accessibility.
- Applying statistical methods to analyze research data and interpret results.

### BMW YES Programme - Orient Heights Primary School

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

March 2024 - Present

- Conducted environmental education activities.
- Collaborated with stakeholders to plan and execute program activities.
- Reported on progress and shared experiences with program organizers.

### Microsoft Interprovincial Apprenticeship - Cloud Architect

Deviare, Pietermaritzburg, KwaZulu-Natal

September 2023 - March 2024

- Gained expertise in cloud technologies and practices.
- Utilized Microsoft Azure cloud services.
- Managed time to complete tasks within deadlines.

## SKILLS

- Programming Languages
- Artificial Intelligence and Machine Learning
- Cloud Computing: Microsoft Azure
- Web Development: HTML, CSS, JavaScript
- Data Science: R
- Field Research
- Operating Systems: Windows, MacOS
- Other Skills: Object-Oriented Programming (OOP), System Development Life Cycle (SDLC), Database Management, Networking and Security Basics, Problem Solving, Continuous Learning, Analytical and Critical Thinking, Communication (Written and Verbal), Time Management, Attention to Detail, Team Collaboration, Adaptability

## CERTIFICATIONS

- Virtual Global Apprenticeship in Cloud Computing | Deviare x Belong | March 2024
- R For Data Science | Cognitive Class | December 2023
- Azure Cloud Architect | Deviare | November 2023
- Java (Theoretical & Practical Understanding) | Sololearn | May 2022
- C++ (Theoretical & Practical Understanding) | Sololearn | April 2022
- HMS Foundation Course Exam | Huawei Training | January 2022
- Introduction to Computers | SpecCon Holdings | August 2021
- ICDL Profile Certificate | Midlands Community College | November 2016