T S H E P I S H O M P H A H L E L E

Centurion, Gauteng | +27726847619 | [tshepishomphahlele4@gmail.com](mailto:tshepishomphahlele4@gmail.com) | https://tshepiem.github.io/portfolio/

# PROFILE

Applied Mathematics graduate with a solid foundation in data science, machine learning, and full-stack development. I combine strong analytical thinking with hands-on coding skills, developed at the FNB App Academy and through academic research. I’m driven by curiosity and purpose, and I’m eager to apply my skills and knowledge in a role within industry or research, contributing to innovative solutions that make a positive impact.

# TECHNICAL SKILLS

**Languages & Tools**: Python, MATLAB, HTML, CSS, JavaScript, Git

**Skills**: Data Analysis, Research, ML (intro level), Agile Development, Public Speaking, Collaboration

# EDUCATION

## Bachelor of Science Honours in Applied Mathematics

North-West University

* Research focus: Lie Symmetries in Differential Equations
* Applied advanced mathematics and coding to model complex systems

**BSc in Applied Mathematics & Chemistry**

North-West University

* Golden Key International Honour Society (Top academic achievers – 2020)

**EXPERIENCE & PROJECTS**

**FNB App Academy** – Certificate in Full Stack Development | 2025

* Built full-stack applications using Python, HTML, CSS, JavaScript
* Collaborated in agile teams to solve real-world business challenges
* Learned version control, API integration, and web app deployment

**Honours Research Project – Symmetry Methods**

* Used mathematical tools to solve differential systems with real-world relevance
* Improved coding logic and research presentation skills through this work

# CERTIFICATIONS & TRAINING

* **Full Stack Development Certificate** – FNB App Academy, 2025
* **CSIR Training Certificate** – Attendance: Nano-Micro Manufacturing, Product Development & Commercialization, 2022
* **Golden Key Honour Society Member** – Academic Achievement, 2020

## STRENGTHS & LEADERSHIP

* Strong communicator and confident presenter (especially in academic settings)
* Persistent, independent worker who’s learning to collaborate more openly
* Passionate about innovation, tech education, and solving meaningful problems

# REFERENCES

# Available Upon Request