

SANELE WANELA MATHONSI

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PROFESSIONAL SUMMARY

Detail-oriented and motivated geomatics engineering student from Tshwane University of Technology with hands-on experience in surveying and spatial data collection. Skilled in utilizing surveying instruments, GIS software, and geospatial analysis to support land surveying, mapping and data interpretation. Eager to leverage technical expertise, problem-solving skills and commitment to quality in a Work-Integrated Learning (WIL) environment. Committed to learning, adapting and contributing effectively to professional projects while furthering my knowledge in geomatics engineering.

KEY COMPETENCIES

- *Surveying Techniques*
- *Geospatial Data Management*
- *Remote Sensing*
- *Cartography and Map Design*
- *Data Processing and Analysis*
- *Technical Reporting*
- *Attention to Detail*
- *Team Collaboration*
- *Time Management*

PROFESSIONAL DEVELOPMENT, TRAINING & EDUCATION

2024

Diploma of Engineering Technology in Geomatics Engineering

Tshwane University of Technology

WORK HISTORY

25 August 2024 – 31 August 2024

Practical Fieldwork – Traverse Surveying for GCP at Toppieshoek Camp

- Conducted traverse surveys as part of a hands-on fieldwork program, gaining experience in data collection and field measurement.
- Operated surveying instruments, including Total Station and GPS equipment to establish accurate traverse points and angles.
- Collaborated with team members to calculate adjustments, ensure survey accuracy and adhere to safety protocols.
- Documented field data and assisted in processing it for analysis, applying geomatics engineering principles in a real-world environment.

PROFESSIONAL RELEVANT SKILLS

Surveying Instruments Operation: Skilled in handling Total Station, GPS and digital levels for data collection and surveying.

GIS and Mapping Software: Proficient in software like ArcGIS for mapping, spatial analysis, and data visualization.

Field Data Collection: Ability to conduct and oversee field data collection, ensuring accuracy, quality control and proper equipment use.

Cartography and Map Production: Skilled in designing, compiling, and producing detailed and aesthetically sound maps.

Database Management: Capable of managing geospatial databases, including data entry, update, storage and retrieval for project needs.

Technical Documentation and Reporting: Strong written communication skills for compiling survey reports, data summaries, and technical documents.

REFERENCES

Mrs. LT Mokua

Former Lecturer at Tshwane University of Technology

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