

# PHUMELELE MKHWANAZI

1553 Tumishi street | phumelele2909@gmail.com | 0791997795

## GIS TECHNOLOGIST

### PROFESSIONAL SUMMARY

A passionate Geomatics graduate specializing in Geographic Information Systems (GIS) and data analysis. Proficient in ArcGIS, QGIS, Python, and remote sensing tools, I bring hands-on experience in spatial data collection, geodatabase design, and cartographic visualization. I am dedicated to leveraging GIS technology to deliver actionable insights, optimize workflows, and support decision-making processes. Committed to excellence, I thrive in dynamic environments that require analytical thinking and attention to detail.

### PROJECTS

- |   |          |
|---|----------|
| <b>Assesing the impact of Covid-19 on the PHA using Satellite Insights</b>  | Nov 2024 |
| <ul style="list-style-type: none"><li>Identify farming trends from 2016 to end of 2023 using Moderate Resolution Imaging Spectroradiometer</li><li>Investigate the starting period of farming using Sentinel-2</li><li>Investigate the Soil Adjusted Vegetation Index using Landsat</li></ul> |          |
| <b>Neighbourhood Analysis for Sustainable Development</b>   | Oct 2024 |
| <ul style="list-style-type: none"><li>Collect and Analyse data about Cosmo City based on urban development principles and spatial frameworks</li><li>Make Recommendations based on the analyis</li></ul>  |          |

### EDUCATION

- |   |                           |
|---|---------------------------|
| <b>Dinwiddie High School</b>  | 2019                      |
| <ul style="list-style-type: none"><li>Bachelor's Pass</li><li>Distinctions in Life Sciences, Physical Sciences and Life Orientation</li></ul> |                           |
| <b>Bachelor of Geomatics</b>  | Expected graduation- 2025 |
| <ul style="list-style-type: none"><li>75% Average</li><li>Major in Geographic Information Systems</li><li>Minor in Land Surveying</li></ul>   |                           |

### SKILLS AND COMPETENCIES

#### GIS and Remote Sensing:

- ArcGIS Desktop, QGIS, ArcGIS Online, SNAP ESA

#### Spatial Analysis & Visualization:

- Geostatistics, cartography, GER

#### Data Management:

- Geodatabase design (FGDB & relational DBs), data cleaning, Microsoft Excel

#### Soft Skills:

- Attention to detail, effective communication , iime management, team building, project management

### REFERENCES

Available upon request