

# TRISHAD PHOGOLE

**Location:** Johannesburg | **Phone:** (+27) 676332024 | **Email:** www.phogoletrishad7@gmail.com

**Linkedin:** Linkedin | **Portfolio:** Portfolio | **Github:** Github

## Professional Summary

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Curious and detail-oriented Data Scientist and Data Engineer with hands-on experience in data analytics, machine learning, business intelligence and data engineering. I specialize in developing scalable data architectures, building efficient data pipelines, and applying advanced analytical and machine learning techniques to transform complex, high-volume datasets into actionable insights that drive strategic and operational decision-making. Passionate about leveraging advanced technologies to optimise operations, and drive innovation. Recognised for improving operational efficiency and enabling performance growth through data-driven recommendations. Committed to continuous learning and staying up to date with the latest industry trends and emerging technologies.

## Work Experience

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### MoMo from MTN | Data, Analytics & BI (MTN Group Fintech) Graduate

**December 2025 - Present**

- Build and maintain data pipelines and automation workflows using Microsoft Fabric and Microsoft Power Automate to enable seamless data flow from OPCOs to on-prem lakehouses for analysis.
- Design and maintain organizational KPI dashboards for MoMo services using Microsoft Power BI to monitor operational and business performance.
- Collaborate with team members to deliver data-driven recommendations.

### Mintek | Data Scientist Internship

**March 2025 - December 2025**

- Built and deployed machine learning models to optimise organisational operations and enhance decision-making, including fine-tuning algorithms for improved performance.
- Performed A/B testing on machine learning models to compare algorithm performance and feature variations, achieving up to 20% improvement in model selection.
- Designed and maintained organisational KPI dashboards, including research outputs, HR metrics, divisional performance, and other key areas to support real-time tracking and performance monitoring, reducing manual reporting time by 40%.
- Executed ETL processes to mine, clean, and integrate data from diverse sources (SharePoint, databases, Excel), improving data consistency by 95%.
- Leveraged SQL to extract, transform, and analyse datasets with thousands of records, optimising query performance, reducing processing time, and ensuring 99% data accuracy in reports.
- Translated complex data into impactful business insights, contributing to a 15% improvement in operational efficiency and enhanced strategic planning outcomes.
- Collaborated with cross-functional teams to deliver data-driven recommendations, resulting in a 20% increase in overall operational performance.

## Technologies & Technical Skills

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|----------------------------------------------------------------------------|------------------------------------------------------|
| • Python (Data analysis & Visualisation)                                   | • Microsoft Suite (Power BI, Fabric, Power Automate) |
| • SQL (MySQL, SSMS, PostgreSQL)                                            | • Model development & deployment                     |
| • Data Mining & Management                                                 | • Predictive Modeling & Time Series Analysis         |
| • Artificial Intelligence (NLP, LLMs, Transformers)                        | • Big Data Engineering (Hadoop, Spark)               |
| • Machine Learning (Classification, Regression, Clustering, Deep learning) | • NoSQL (MongoDB, Cassandra)                         |
| • Experimental Design (A/B Testing, Hypothesis Testing)                    | • Version Control (Git, Github)                      |
| • Cloud Services (AWS)                                                     | • SAS (Statistical Analysis)                         |

## Education

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<b>Bachelor of Science Honours in Computer Science</b> , University of Limpopo	Feb 2024 - Dec 2024
<b>Bachelor of Science in Mathematical Sciences</b> , University of Limpopo	Feb 2020 - Dec 2023
<b>Matric</b> , Kgagatlou Secondary School	Jan 2015 - Dec 2019

## Certificates

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- Data Analyst Professional Certificate; Data Science Professional Certificate; Data Engineering Professional Certificate; AWS Cloud Practitioner Essentials : **IBM**
- IFRS 9 Expected Credit Loss Model Development & Validation; Credit Risk Modelling & Credit Scoring Using Machine Learning; Basel Accords (II,III,V): Capital Adequacy, Credit, Market, Liquidity, and Operational Risk Management: **Udemy**
- SAS Programming 1 Essentials: **SAS**

## References

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Available upon request.