# TRISHAD PHOGOLE

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

## Professional Summary

Curious and detail-oriented Data Scientist with hands-on practical experience in data analytics, machine learning, artificial intelligence, business intelligence and data pipelines. I have a proven track record in developing predictive models, automating data workflows, and creating interactive dashboards for both technical and non-technical stakeholders. Skilled in extracting actionable insights from complex datasets and delivering scalable, end-to-end data science solutions. 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

**MoMo from MTN | Data, BI & Analytics (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, IFS, 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

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

## Education

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| **Bachelor of Science Honours in Computer Science**, University of Limpopo | Feb 2024 - 2024 |
| **Bachelor of Science in Mathematical Sciences**, University of Limpopo | Feb 2020 - 2023 |
| **Matric**, Kgagatlou Secondary School | Jan 2015 - 2019 |

## Certificates

- Data Analyst Professional Certificate; Data Science Professional Certificate; Data Engineering Professional Certificate; AWS Cloud Practioner 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

Available upon request.