

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, and business intelligence. 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. Strong problem-solver with the ability to translate complex datasets into clear, business insights.

Experience

Data Scientist, Mintek

March 2025 - Present

- Participated in developing, testing, and deploying 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, resulting in 20% improvement in model selection.
- Designed and maintained organisational Key Performance Indicators (KPIs) dashboards to support real-time tracking and performance monitoring, reducing manual reporting time by 40% .
- Performed ETL processes to mine, clean, and integrate data from multiple sources such as SharePoint, Databases, and Excel into dashboards for streamlined reporting and analysis.
- 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 (Pandas, Numpy, Scikit-learn, Tensorflow, PyTorch)
- Microsoft Power BI
- SQL (MySQL, SSMS, PostgreSQL)
- Model development, training and deployment
- Data Mining & Management
- Predictive Modelling & Time Series Analysis
- Artificial Intelligence (LLMs, NLP)
- Big Data Engineering (Hadoop, Spark)
- Machine Learning (Classification, Regression, Clustering)
- NoSQL (MongoDB, Cassandra)
- Statistical Analysis (Hypothesis Testing, A/B Testing)
- SAS (Data analysis & Programming)

Education

Bachelor of Science Honours in Computer Science , University of Limpopo	Feb 2024 - 2024
Bachelor of Science in Statistics and Computer Science , University of Limpopo	Feb 2020 - 2023
Matric , Kgagatlou Secondary School	Jan 2015 - 2019

Certificates

- **Data Analyst Professional Certificate, Data Science Professional Certificate** : IBM
- **Data Engineering Professional Certificate** : IBM
- **IFRS 9 Expected Credit Loss Model Development and Validation, Credit Risk Modelling & Credit Scoring Using Machine Learning** : Udemy
- **AWS Cloud Practioner Essentials** : IBM

References

Available upon request.