

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
<ul style="list-style-type: none">Participate in Developing, testing, and deploying machine learning models to optimise organisational operations and enhance decision-making, including fine-tuning algorithms for improved performance.Perform A/B testing on machine learning models to compare algorithm performance and feature variations, achieving up to 20% improvement in model selection.Design and maintain organisational Key Performance Indicators (KPIs) dashboards to support real-time tracking and performance monitoring, reducing manual reporting time by 40%.Execute ETL processes to mine, clean, and integrate data from multiple sources such as SharePoint, databases, and Excel into dashboards for streamlined reporting and analysis.Leverage SQL to extract, transform, and analyse datasets with thousands of records, optimising query performance, reducing processing time, and ensuring 99% data accuracy in reports.Translate complex data into impactful business insights, contributing to a 15% improvement in operational efficiency and enhanced strategic planning outcomes.Collaborate with cross-functional teams to deliver data-driven recommendations, resulting in a 20% increase in overall operational performance.	

Technologies & Technical Skills

<ul style="list-style-type: none">Python (Data analysis & Programming)SQL (MySQL, SSMS, PostgreSQL)Data Mining & ManagementArtificial Intelligence (NLP, LLMs, Transformers)Machine Learning (Classification, Regression, Clustering)Statistical Analysis (Hypothesis Testing, A/B Testing)Cloud Services (AWS)	<ul style="list-style-type: none">Microsoft Power BIModel development, training & deploymentPredictive Modelling & Time Series AnalysisBig Data Engineering (Hadoop, Spark)NoSQL (MongoDB, Cassandra)ETL & Data pipelines (Shell, Airflow & Kafka)SAS (Data analysis & Programming)
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Education

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 Practitioner Essentials : **IBM**
- IFRS 9 Expected Credit Loss Model Development & Validation, Credit Risk Modelling & Credit Scoring Using Machine Learning, Basel Accords: Capital Adequacy, Credit, Market, Liquidity, and Operational Risk Management: **Udemy**
- SAS Programming 1 Essentials: **SAS**

References

Available upon request.