

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

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| Data Scientist, Mintek | March 2025 - Present |
| <ul style="list-style-type: none">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

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| <ul style="list-style-type: none">Python (Data analysis & Programming)SQL (MySQL, SSMS, PostgreSQL)Data Mining & ManagementArtificial Intelligence (LLMs, NLP)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

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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

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| <ul style="list-style-type: none">Data Analyst Professional Certificate, Data Science Professional Certificate : IBMData Engineering Professional Certificate : IBMIFRS 9 Expected Credit Loss Model Development and Validation, Credit Risk Modelling & Credit Scoring Using Machine Learning : UdemyAWS Cloud Practioner Essentials : IBM | |
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References

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| Available upon request. | |
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