

# TRISHAD PHOGOLE

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Linkedin: [Linkedin](#) | Portfolio: [Portfolio](#) | Github: [Github](#)

## Professional Summary

Curious and detail-oriented Data Scientist with hands-on experience in machine learning, artificial intelligence, data analytics, 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

<b>Data Scientist, Mintek</b>	Feb 2025 - Present
<ul style="list-style-type: none"><li>Participated in developing, testing, and deploying machine learning models to optimise organisational operations and enhance decision-making, including fine-tuning algorithms for improved performance.</li><li>Performed A/B testing on machine learning models to compare algorithm performance and feature variations, resulting in 20% improvement in model selection.</li><li>Designed and maintained organisational Key Performance Indicators (KPIs) dashboards to support real-time tracking and performance monitoring.</li><li>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.</li><li>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.</li><li>Translated complex data into impactful business insights, contributing to a 15% improvement in operational efficiency and enhanced strategic planning outcomes.</li><li>Collaborated with cross-functional teams to deliver data-driven recommendations, resulting in a 20% increase in overall operational performance.</li></ul>	

## Technologies & Technical Skills

<ul style="list-style-type: none"><li>Python (Pandas, Numpy, Scikit-learn, Tensorflow, PyTorch)</li><li>SQL (MySQL, SSMS, PostgreSQL)</li><li>Data Mining &amp; Management</li><li>Microsoft Power BI</li><li>Machine Learning (Deep learning, LLMs, NLP)</li><li>Artificial Intelligence (AI)</li></ul>	<ul style="list-style-type: none"><li>Model development, training and deployment</li><li>Predictive Modelling &amp; Time Series Analysis</li><li>Generative AI (Transformers, GANs)</li><li>Big Data Engineering (Hadoop, Spark, Hive)</li><li>NoSQL (MongoDB, Cassandra)</li><li>Cloud Services (AWS)</li></ul>
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## Education

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

## Certificates

<ul style="list-style-type: none"><li><b>Data Analyst Professional Certificate, Data Science Professional Certificate</b> : IBM</li><li><b>IFRS 9 Expected Credit Loss Model Development and Validation, Credit Risk Modelling &amp; Credit Scoring Using Machine Learning</b> : Udemy</li><li><b>Data Engineering Professional Certificate</b> : IBM</li><li><b>AWS Cloud Practioner Essentials</b> : IBM</li></ul>
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## References

Available upon request.
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