

PHOGOLE TRISHAD

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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-focused insights.

Experience

Data Scientist, Mintek	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.Applied statistical analysis, hypothesis testing, and data visualisation techniques to identify trends, detect anomalies, and guide strategic decision-making.Delivered data analysis and business intelligence support for HR, Finance, Science and Research divisions, developing key reports that improved workforce planning, financial performance monitoring, and the tracking of organisational outputs such as journal publications, conference papers, and more.Designed and maintained organisational Key Performance Indicator (KPI) dashboards to support real-time tracking and performance monitoring.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.Collaborated 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 (Pandas, Numpy, Scikit-learn, Tensorflow, PyTorch)SQL (MySQL, SSMS, PostgreSQL)Cloud Service (AWS)Business Intelligence & ReportingMachine learning (Deep learning, Clustering, LLMs, NLP)Big Data Engineering (Hadoop, Spark, Hive)	<ul style="list-style-type: none">Microsoft Power BINoSQL (MongoDB, Cassandra)Model Training & DeploymentVersion Control (Git, Github)Predictive Modeling & Time Series AnalysisGenerative AI (Transformers, GANs)
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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 : IBM
Machine Learning Professional Certificate : IBM
Data Science Professional Certificate : IBM
Data Engineering Professional Certificate : IBM
AWS Cloud Practitioner Essentials : IBM

References

Available upon request.