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-focused insights.

Experience

Data Scientist, Mintek   Feb 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.
- Applied statistical analysis, hypothesis testing, and data visualisation techniques to identify trends, detect anomalies, and guide strategic decision-making.
- Performed data analysis and delivered business intelligence support for HR and Finance, developing key reports that improved workforce planning and financial performance monitoring.
- Designed and maintained organisational Key Performance Indicators (KPIs) 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

- Python (Pandas,Numpy, Scikit-learn,Tensorflow,PyTorch)
- SQL (MySQL, SSMS, PostgreSQL)
- Cloud Services (AWS)
- Business Intelligence & Reporting
- Machine learning (Deep learning, Clustering, LLMs, NLP)
- Big Data Engineering (Hadoop, Spark, Hive)
- Microsoft Power BI
- NoSQL (MongoDB, Cassandra)
- Model Development, Training and Deployment
- Version Control (Git, Github)
- Predictive Modeling & Time Series Analysis
- Generative AI (Transformers, GANs)

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

References

Available upon request.