

LAMEL KEKANA

Data Science | Machine Learning | Data Analysis | Cloud Engineer

SUMMARY

Proactive data science professional skilled in designing and deploying automated ETL pipelines, designing predictive models, and creating impactful data visualizations. Adept at leveraging Python, AWS, and modern machine learning frameworks to deliver actionable insights and measurable business value.

EXPERIENCE

Data Science Intern

ALX Africa

📅 03/2025 - 07/2025 📍 Remote(Pretoria)

Tech skills training and career development in Africa.

- Designed efficient, scalable database schemas to support clean data organization and fast query performance.
- Co-planned and designed instructional SQL modules for data analysis training.
- Reviewed peer-created modules to maintain content quality and coherence across the curriculum.

Electrical Apprentice

Nampak Bevcan

📅 01/2020 - 10/2022 📍 Pretoria

- Assisted senior electricians in diagnosing and repairing can making machinery issues using diagnostic tools such as multimeters and circuit testers, contributing to a 10% reduction in equipment downtime.
- Supported routine inspections, repairs, and preventive maintenance on electrical systems, enhancing operational reliability and reducing company costs.

PROJECTS

ETL Pipeline for Business Reporting

🔗 <https://github.com/LamelK/automated-sales-pipeline-dashboard>

Fully automated data pipeline powering an AWS-hosted data dashboard.

- Designed and deployed a fully systematized ETL pipeline with weekly data refreshes, integrated into a BI dashboard for streamlined business insights, leveraging AWS infrastructure and Prefect Cloud.
- Implemented ETL flow monitoring and notifications for successes and failures to ensure operational reliability.
- Implemented retries on data processing tasks to ensure resilience and reliability.

Fuel Consumption Prediction

🔗 https://github.com/LamelK/Fuel_Economy_Insights

Fuel consumption analysis and MPG (Miles Per Gallon) prediction.

- Analyzed fuel economy factors; observed higher consumption in cars with more cylinders and greater engine displacement.
- Found that city driving results in higher fuel consumption compared to highway driving.
- Trained a model that achieved an RMSE of 2.46, indicating that predictions are, on average, only off by 2.46 MPG.

CONTACT & PROFILES

✉️ lamel466@gmail.com

☎️ +27 81 236 3039

🔗 www.linkedin.com/in/lamel-kekana

🔗 <https://lamelk.github.io>

📍 Pretoria

SKILLS

TECHNICAL SKILLS

Machine Learning

Data Analysis

Visualization

Cloud Computing

Automation

Version Control

ETL

MLOPs

Data Engineering

TOOLS & FRAMEWORKS

Python

Pandas

PowerBI

SQL

Scikit-learn

AWS

GitHub

Streamlit

Docker

Excel

Jupyter Notebooks

EDUCATION

N1-N5 Electrical Engineering

Denver Technical College

📅 01/2016 - 07/2018

NQF 5 Data Science

ExploreAI

📅 07/2024 - Present

CERTIFICATION

Trade Test Red Seal - Electrician

NECSA Learning Academy Trade Test Centre