

Lesego Radebe

Entry-Level Data Scientist | Data Analyst

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Professional Summary

Analytical and automation-focused professional skilled in Python, SQL, Power BI, and Microsoft Power Platform. Experienced in building end-to-end ETL pipelines, low-code business apps, and AI-assisted tools that streamline data processes and improve reporting efficiency. Passionate about turning raw data into insights and automation solutions that create measurable business value.

Education & Certifications

- **Databases and SQL for Data Science with Python** | IBM | Nov 2025
 - **Microsoft Power Platform Fundamentals** | Microsoft | Nov 2025
 - **Agile with Atlassian Jira** | Atlassian | Nov 2025
 - **Introduction to Generative AI** | Google Cloud | Oct 2025
 - **Version Control with Git** | Atlassian | Oct 2025
 - **Data Science Certification** | ExploreAI & ALX | May 2023 – August 2024
 - 16-month intensive program: Python, SQL, Power BI, machine learning, AWS
 - Professional Foundations: Communication, Leadership, Problem-solving
 - **BSc Medical Sciences (80+ Credits, Funding interruption)** | University of Pretoria
 - **National Senior Certificate, Bachelor's Pass** | Hoerskool Suiderlig
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Key Skills

- **Programming:** Python, SQL, Pandas, NumPy, Matplotlib, Scikit-learn
 - **Data Visualisation:** Power BI (DAX, Power Query), Excel (PivotTables, VLOOKUP)
 - **Machine Learning:** Regression, Classification, Random Forest, K-Means, NLP
 - **Cloud & Tools:** AWS S3, Azure Blob Storage, Git, GitHub
 - **Low-Code/AI:** Power Apps, Power Automate, ChatGPT, Hugging Face, Gemini
 - **Agile & Process:** Jira, Scrum, ETL Pipelines, Data Storytelling, Hypothesis Testing
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Relevant Experience

Junior Tech Engineer (AI, Cloud & Data) | Project Y | October 2025 - Present

- Built automated ETL workflows using Python and SQL to integrate data into Azure Blob Storage.
- Deployed a Streamlit dashboard for real-time data monitoring, enabling stakeholder self-service analytics.
- Developed low-code CRUD applications with Power Apps and Power Automate, cutting manual data entry by **60%**.
- Created an internal AI code-assist chatbot using HTML, CSS, JS, and Google Gemini API, improving developer response time by **40%**.
- Collaborated in Agile sprints using Git and Jira for version control, issue tracking, and deployment.

Data Science Fellow (Remote) | ExploreAI & ALX | May 2023 - August 2024

- Designed machine learning models using Scikit-learn for structured and unstructured data.

- Delivered Power BI dashboards connected to live SQL databases, improving reporting turnaround by **20%**.
- Applied regression, classification, and K-Means clustering in team-based business simulations.

Contact Centre Agent | Raging River Trading | July 2024 - September 2025

- Analysed customer data from queries across multiple channels (phone, email, chat), identifying patterns to deliver solutions with a 90% resolution rate and meet SLA targets, demonstrating data-driven problem-solving.

Customer Service Agent | TLC Worldwide Africa | September 2023 - July 2024

- Managed accurate data entry for 100+ daily records, reducing errors by 25%
- Enhanced operational efficiency through streamlined record-keeping and feedback analysis

Key Projects

Chinook SQL Analytics

- **Scope:** Schema exploration, joins, window functions, KPIs, and insights.
- **Delivery:** Clean SQL-only cells via Jupysql with annotated outputs and explanations.
- **Polish:** README + portfolio highlights; **Result:** portable, reproducible analysis.

Northwind SQL Analytics

- **Scope:** Sales KPIs, revenue by country, top products/suppliers, employee performance, Pareto.
- **Reliability: Fix:** Handled "Order Details" naming and joins to Orders for customer metrics.
- **Delivery:** SQL notebook with corrected joins (e.g., "Order Details" table).
- **Polish:** README and troubleshooting notes; **Result:** reproducible, schema-aware analysis.

Load Shedding Impact on Small Business Sales (Power BI)

- **Data:** Synthetic sales, store metadata, and schedule CSVs; Johannesburg, hour-level granularity.
- **Modeling:** Power Query transforms, Date/Time dimensions, relationships, and robust DAX.
- **Insights:** KPIs, stage × hour heatmaps, generator uplift, resilience strategies.
- **Polish:** Custom theme, slicers, bookmarks, tooltips

Airbnb Listings Analysis (Python)

- **Scope:** Explored Airbnb dataset to uncover pricing trends, occupancy rates, and geographic distribution of listings.
- **Delivery:** Jupyter notebook using Pandas, NumPy, Matplotlib, and Seaborn for cleaning, transformation, and visualisation.
- **Polish:** Annotated steps with insights; **Result:** clear storylines on host activity, seasonal demand, and revenue drivers.