

# Akil Riaz

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## Professional Summary

Experienced Data analytics professional with experience ranging across business intelligence, operational optimization and regulatory compliance in Retail and eCommerce. Strong Master of Data Science graduate with added proficiency in cloud platforms, data engineering and the ability to drive strategic decision-making. Additional expertise in Power BI, SQL, Python, and Azure for building real-time dashboards, improving supply chains, and extracting actionable insights.

## Technical Skills

**Programming:** SQL, Python (Pandas, NumPy, PySpark, Matplotlib, Scikit-learn), R (ggplot2, Shiny, Caret, Tidyverse)

**Database Engineering and Management:** MySQL, Oracle, PostgreSQL, QGIS, Data Warehousing, Databricks, Git

**Cloud Platforms:** AWS (S3, RDS, EC2, Glue), Azure (Data Factory), Docker

**Data Visualization:** Power BI (DAX, Power Query), Excel (PivotTables, Power Query), Apache Echarts, Tableau, Looker

## Education

**Monash University Australia**

Feb 2023 – Dec 2024

*Master of Data Science*

## Professional Experience

**ZARA Chadstone Shopping Centre**

Sep 2024 – Present

*Stockroom Operations Specialist*

- Managed 7,500+ units weekly, using data-informed processes to optimize replenishment cycles, maintain a **98%+ inventory accuracy**, and support sales forecasting.
- Operated proprietary **inventory management systems** and handheld scanners to audit stock, log real-time data, and ensure traceability across daily operations.

**Coho Cookies**

Feb 2022 – Nov 2024

*Lead Data Analyst (Remote)*

- Built real-time dashboards in **Power BI** and **Looker** to track deliveries and ingredients, reducing late orders by 12/day and improving peak response by 25 mins.
- Used advanced **SQL (CTEs, Window Functions)** to segment order data and optimize stock planning, reducing waste by 15% and stockouts from 10+ to 2–3 per week.
- Automated churn and promo analytics via **Azure Data Factory** and **Python (Scikit-learn)**, boosting repeat orders by 8% and marketing ROI by 12%.
- Created **Excel** and **Python** reporting templates with built-in checks, halving reporting time; improving data accuracy.

## Research Project Experience

**Credit Card Fraud Detection**

Jan 2025

- Improved fraud recall from **56% to 94%** by engineering a full ML pipeline in **Python (scikit-learn, pandas)** with preprocessing, resampling, and feature scaling to address class imbalance.
- Evaluated models including **SVC, Neural Networks, and Gradient Boosting**, with **Linear SVC** achieving **97% precision**, delivering a robust fraud detection solution ready for deployment.

**MigrantWomenHealth.tech**

Jul 2024 – Nov 2024

- Built cloud infrastructure on **AWS (EC2, RDS, S3, Glue)** with **MySQL** and WordPress to develop web platform.
- Created a **Python ETL pipeline** using **Pandas, SQLAlchemy, AURIN API**, cleaning and structuring open datasets.
- Visualized regional access gaps with **GeoPandas, Matplotlib, Apache ECharts** to support multilingual UX design.
- Led data tasks across **3 Scrum sprints**, refining user stories and QA; platform praised for accuracy and inclusivity.

## Additional Experience

**Ernst and Young (EY)**

Dec 2021 – Feb 2022

*Audit Intern*

- Verified **500+** transactions and **50+** documents using Excel automation and formulas, **cutting audit delays by 2 days**.
- Collaborated with audit managers and client finance teams to finalize audits for 3 companies, reconciling over **RM1 million** in assets, ensuring accurate and on-time reports.

**RomaFour**

Dec 2019 – Dec 2021

*Business Operations Associate*

- Negotiated supplier contracts and streamlined imports from China and Bangladesh, saving **LKR 30M** annually and increasing stock availability by **18%**.
- Achieved **100% audit compliance** and avoided penalties by reviewing supplier contracts and ensuring legal compliance.
- Built Excel dashboards to track sales and inventory turnover, helping **reduce overstock by 15%** and improve sell-through rates across key product lines.

## References

References can be provided upon request.