

Raashid Salih -Full Stack Data Scientist-

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PROFESSIONAL EXPERIENCE

FreightFox (Logistics based AI Startup) 🔗

Dec 2023 – present | Bangalore, India

Data Scientist

[Python, PostgreSQL, AWS, Docker, FastAPI, Postman, Streamlit, GenAI, Qdrant, Redash, PuLP, Jira, Confluence]

- Shaped company's Data Science strategy by aligning development with product roadmap for maximum impact.
- Engineered industry-first latency index to highlight network latency changes and aid clients with planning.
- Optimized production ready Python and SQL to be able to handle large datasets under limited hardware.
- Created comprehensive anomaly detection suite which reduces client cognitive burden by highlighting critical actionable shipments.
- Developed RAG based LLM solution (Text2SQL) to facilitate self serve analytics via chat interface.
- Markedly enhanced data quality by implementing novel solution to industry-wide problem of non-standard location names, enabling inter-manufacturer analytics.
- Automated client logistics network creation, significantly reducing onboarding time to improve client acquisition.
- Productionized a demand forecasting pipeline to aid client in inventory management.
- Innovated a vehicle categorization method utilizing application-specific metrics with one-dimensional clustering, solving industry-wide issue of non-standard vehicle names.
- Deployed a web application to visualize commodity sentiments from the news to help clients understand commodity risk and engage in proactive supply chain management.
- Built an ensemble model to predict freight rates for clients to benchmark and optimize performance.
- Developed an optimization model to minimize costs by determining an optimal fleet mix for any given payload.

Schlumberger (Energy MNC) 🔗

Jan 2022 – Sep 2022

Data & Analytics Intern

Kuala Lumpur, Malaysia

[Python, Dash, Dataiku, Azure DevOps, SSMS SQL, Alteryx, PowerBI, Dax]

- Enhanced predictive model reliability by applying Explainable ML techniques leading to identification of model strengths and weaknesses.
- Developed a cost prediction WebApp enabling project budget forecasting based on inflation rates.
- Implemented pipelines for sprint planning and department KPO dashboards ensuring comprehensive documentation and adherence to best practices, improving data visibility.

PROJECTS

End-to-End Churn Analytics Platform 🔗

[GCP, Docker, Airflow, dbt, PostgreSQL, Terraform, FastAPI, MLFlow, Grafana, Metabase, FLAML AutoML, Ruff]

Developed a cloud-hosted containerized data platform to simulate and analyze customer behavior utilizing microservices architecture. Integrated ML models for synthetic data generation and churn prediction served via RESTful APIs. Ensured data quality with automated tests and transformations, and designed an interactive dashboard for key metrics. MLOps best practices like experiment tracking and monitoring are facilitated by MLFlow and Grafana. Implemented CI/CD for seamless updates and provided extensive documentation for reuse.

Agmarknet Scraper 🔗

[Python, ArgParse, PostgreSQL, Selenium, dotenv, venv]

A CLI tool designed to gather data from [Agmarknet](#) 🔗. The current implementation employs a direct URL substitution approach to minimize interactions with the website for stability, and moves the relevant data collected to a Postgres database (as default behavior). The Python project uses the Model-View-Controller (MVC) architectural pattern for better separation of concerns.

JenksPy: Fisher-Jenks algorithm (Python) 🔗

Open source contribution made to the Fisher-Jenks algorithm implementation to help determine ideal class/cluster size using elbow charts based on the goodness of variance fit (GVF) metric.

EDUCATION

Georgia Institute of Technology (GaTech) [On Academic Hiatus]

2023 – present | Atlanta, Georgia, USA

Master of Science in Analytics (MSc)

- CGPA - 4.00/4.00

International Islamic University Malaysia (IIUM)

2018 – 2022 | Kuala Lumpur, Malaysia

Bachelor of Computer Science (Honours)

- CGPA - 3.99/4.00

MISCELLANEOUS

- IELTS Academic: Band 9 | CEFR - C2 (highest level of English proficiency)