WAN AHMAD FAHIM MUNIR BIN WAN ZAKI

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SUMMARY

Data Engineer specializing in cloud data modelling, ETL/ELT pipelines, and analytics engineering. I am skilled in DBT, Snowflake, SQL, SSIS, Jinja, and Python, with hands-on experience deploying analytical workflows in healthcare and FinTech environments.

Strong ability to convert business requirements into scalable, production-ready data systems, supported by experience building predictive ML pipelines including LSTM, Random Forest, and SVR.

CORE SKILLS

Data Engineering: DBT, Snowflake, Jinja SQL, SSIS, ELT/ETL Design, Data Modelling

Programming: Python, SQL, R, SAS, Java (basic)

Machine Learning: LSTM, Random Forest, SVR, scikit-learn, pandas

Cloud & BI: AWS (S3, Glue, EC2, Redshift), Tableau, IBM Cognos,

Power BI, Streamlit, Colab , Snowflake

Databases: Oracle, MySQL, SQL Server

Dev Practices: Git, Agile Scrum, Version Control

EXPERIENCE

Analytics Engineering Intern — ResMed (Kuala Lumpur | May 2024 – Aug 2024)

• Built DBT transformation models converting Oracle ERP datasets into Snowflake tables.

• Standardized logic using Jinja templates to improve SQL reusability.

• Participated in Agile sprints, Git-based workflows, and deployment cycles.

• Explored Dagster-based cloud orchestration for pipeline automation.

• Supported analytics for finance, supply chain, and marketing teams.

Analyst Programmer — InsiteMY Innovations (Kuala Lumpur | 2021 – 2022)

• Developed ETL pipelines via SSIS and SQL Server for banking clients (BIMB, AmBank).

• Delivered reporting systems including DQF, STATSMART, and ISS.

• Translated business logic into SQL and Java modules.

• Contributed to regulatory reporting for Bank Negara Malaysia.

PROJECTS

Food Price & Food Security Forecasting (Climate ML Pipeline)

- Designed an end-to-end machine learning pipeline to forecast food price percentage changes and a normalized food security index in Malaysia.
- Integrated multi-source datasets including monthly food prices, aggregated daily climate data (temperature and rainfall), and food production statistics.
- Implemented and evaluated multiple regression and sequence-based models including Random Forest, SVR, XGBoost, LightGBM, and LSTM.
- Evaluated model performance using MAPE and RMSE for food prices, and RMSE and MAE for food security predictions.
- Developed an interactive Streamlit application supporting manual input and CSV uploads, with prediction storage and visualization capabilities.
- Tools: Python, pandas, scikit-learn, XGBoost, LightGBM, Streamlit, Snowflake, Google Colab

Malaysian Affordability Gap Analysis | Data Science Project

- Analyzed income versus household spending across Malaysian states to quantify affordability gaps and financial pressure.
- Identified states with high expenditure-to-income ratios, low disposable income, and elevated financial stress levels.
- Categorized regions based on affordability risk to highlight economic disparities and cost-of-living differences.
- Designed professional statistical visualizations with clear color coding and annotations for effective insight communication.
- Translated economic data into actionable insights relevant to policy evaluation, regional planning, and business decision-making.
- Tools: Python, pandas, matplotlib, seaborn

EDUCATION

B.CompSc (Hons) Data Analytics — Asia Pacific University (APU) (2023 – 2025 | CGPA 3.2)

Diploma in Computer Science — Kolej Profesional MARA Beranang (2019 – 2021 | CGPA 3.3)

CERTIFICATIONS

Cisco Data Analytics Essentials

Cisco Introduction to Data Science

MyDIGITAL & Intel AI Aware Badge (AI Untuk Rakyat)

LANGUAGES

English (Fluent), Bahasa Melayu (Native)

REFERENCES

1. Nur Amira Abdul Majid

Lecturer, Asia Pacific University of Technology & Innovation

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2. Jacqueline Gan

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