



MUHAMMAD LOKMAN HAKIM

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Data-driven analyst with 6+ years in research, benchmarking, and process improvement. Skilled in data analysis, risk assessment, and documentation supporting strategic decisions.

PROJECTS

Corporate Carbon Footprint Dashboard

- Uses IEA, EPA, and report for Scope 1 – 3 emissions data (global datasets, corporate reports).
- Built in Tableau/Power BI with SQL + Excel backend (data modeling, visualization, automation).
- Output: visualized carbon intensity, emissions breakdown, and reduction targets.

Sustainable Cities Index - Malaysia Focused

- Uses World Bank, DOSM, and UN SDG indicators (official statistics, benchmarks, frameworks).
- Python + Power BI to score and compare urban sustainability metrics (data cleaning, scoring).
- Output: index report, dashboard, and policy recommendations (ranking, visualization, planning).

Renewable Energy Forecasting Model

- Data from NASA POWER and OpenWeather API (climate metrics, open access, weather feeds).
- Machine Learning model in Python (scikit-learn, Prophet) (prediction, regression, automation).
- Output: forecast charts, demand supply gap analysis (forecasting, insights, documentation).

ESG Investment Screening Tools

- Uses Refinitiv ESG (Kaggle) + Yahoo Finance API (financial data, ESG metrics, open-source).
- SQL + Python for scoring and data processing (database, algorithm, coding).
- Output: ESG scores, dashboards, and case study portfolio (ranking, risk, portfolio).

PROFESSIONAL EXPERIENCE

Project Admin | Alexander Poh Architect

Kajang, Selangor | Feb 2023 - Present

- Conducted technical analyses to enhance project decision-making and delivery.
- Coordinated BIM for Petronas Research Centre and industrial projects to its completion.
- Liaised with various stakeholders to maintain quality control in construction delivery.

Freelance Data & Design | Self-employed

Kajang, Selangor | August 2022 - Feb 2023

- Performed entry-level data analysis for real estate trends and project tracking.
- Upskilled in data analytics through online courses and real-world application.

Production Executive | Agrotech Holdings Sdn. Bhd.

Kuala Selangor, Selangor | Oct 2020 - July 2022

- Analyzed and optimized production data to improve efficiency and meet KPIs.
- Led audits for Halal and HACCP certifications, enhancing business credibility.

Junior Architect | TG Archimetrics Sdn. Bhd.

Kelana Jaya, Selangor | July 2018 – Oct 2020

- Delivered detailed documentation, and process improvements in design and production.
- Collaborated on major logistics and industrial projects, including Cainiao KLIA2.

SKILLS

SQL: SQL Server, MySQL.

Python: Pandas, Matplotlib, SciPy, NumPy.

Excel: Xlookup, Pivot Table.

Visualization: Tableau, Power BI.

Modelling: BIM (revit), CAD.

AWS: S3, RedShift, QuickSight.

EDUCATION

Bsc in Architectural Studies (Hons), IIUM – Dean's List 2013/14.