**Kaung Min Khant**

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**PROFILE**

First Class Honours **Robotics Engineering graduate** with a strong interest in data analytics, developed through hands-on projects and self-learning. Proficient in **Excel**, **SQL, Python, R, Power BI, and Tableau** for cleaning data, building dashboards, and drawing out key insights. Able to turn complex data into clear, actionable findings, with a focus on supporting data-driven decisions.

**EDUCATION**

**University of West of England Bristol, United Kingdom**

*BEng (Hons) Robotics Engineering, First Class Honors 2022- 2025*

* **Key Topics:** Machine Learning, Deep Learning, Computer Vision, Robotics, Intelligent Systems
* **Tools & Platforms:** Python, C++, MATLAB, STM32, Arduino, ROS, Sensor Fusion
* **Academic Highlights:**
  + **Developed** deep learning models for visual detection and recognition tasks.
  + **Integrated** **ROS** with machine learning techniques for robot perception and control.
  + **Implemented** real-time embedded solutions in robotics applications.

**DATA ANALYTICS PROJECTS**

**Bristol Airbnb Market Analysis – SQL, R, Tableau, Power BI, Excel Bristol, United Kingdom**

*Individual Project July 2025*

* To analyze the Bristol Airbnb market to identify pricing trends, demand drivers, and key insights for hosts and travelers.
* Used **SQL** to extract and clean raw data. Performed initial data validation and sanity checks using **Excel**, and then used it as a source for further cleaning and analysis.
* Leveraged **Power BI** and **Tableau** to build interactive dashboards with filters, heatmaps, and trend analysis.
* Delivered **actionable insights**, revealing that high-demand areas like Clifton have the highest prices and that seasonal demand is influenced by both location and price.

**Global Superstore Analytics — SQL & Power BI & Excel Bristol, United Kingdom**

*Individual Project August 2025*

* To model a large dataset of retail orders and provide key business insights to inform strategy.
* Performed initial data exploration in **Excel** before designing a **star schema** for the full dataset in a database. Used **SQL** to query and validate key performance indicators (KPIs).
* Built a professional dashboard in **Power BI** using **DAX measures** to show a clear overview of sales, profit, and customer behavior.
* Provided **data-driven recommendations**, showing that the APAC and US regions drive the most revenue and that a focus on technology products yields the highest profit.

**House Price Forecasting – Python, Scikit-learn, XGBoost Bristol, United Kingdom**

*Independent Project April 2025*

* Trained **XGBoost**, **Random Forest**, and **Linear Regression** models to forecast 2024 Bristol house prices using historical data.
* Achieved **~£156K MAE** on 2024 predictions across **30+ postcode areas**: tuned models with **cross-validation** and **hyperparameter search**.
* Engineered postcode-level features and visualized **area-wise forecast accuracy**.

**E-commerce Customer Behavior Analysis & Recommendation System Bristol, United Kingdom**

*Independent Project May 2025*

* Developed an end-to-end data pipeline using Python and SQL (PostgreSQL) to process **over 390,000 transactional records**.
* Conducted **RFM analysis** to segment **4,000+ customers** into key behavioral groups (e.g., 'Champions', 'At-Risk'), deriving actionable insights.
* Built a **product recommendation engine** (Apriori algorithm) to identify co-purchase patterns, supporting cross-selling initiatives.
* Created an interactive **Tableau dashboard** to present key findings on customer behavior and sales trends, informing strategic business decisions.

**SKILLS**

**Data Analysis:** SQL(Advanced), Excel (Advanced), Power BI, Tableau, Python, R

**Statistics & Analytics:** Descriptive Statistics, A/B Testing, Regression Analysis, Hypothesis Testing

**Tools & Platforms:** Git, Jupyter Notebook, VS Code

**Languages:** English (Fluent), Chinese (Fluent)