

KAUNG SI THU

(Data Analyst)

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Ambitious IT graduate with strong data analysis and visualization skills, proficient in SQL, Python, Tableau, and Excel. Proven ability to analyze complex datasets, build predictive models, and deliver data-driven solutions to optimize business processes. Seeking to leverage analytical and technical skills to contribute to data-centric projects in dynamic tech ecosystem.

Work Experiences

Fireclash Enterprises - Rajkot, India <i>Data-Driven Web Development Intern</i>	May 2023 - Dec 2023
<ul style="list-style-type: none">Utilized SQL to analyze user behavior and feature engagement data from a medical web application, enabling data-driven UI/UX enhancements.Designed and maintained a relational database schema for hospital patient records and bed management modules, reducing data retrieval time by 40% and improving real-time access to operational insights.Collaborated with a cross-functional team of developers and analysts, integrating hospital data pipelines into product workflows using Git and Agile, delivering 3 major feature updates over a 6-month period.	

Take Your Time - Yangon, Myanmar <i>Technical Project Lead (Web Development)</i>	Feb 2021 - Dec 2022
<ul style="list-style-type: none">Analyzed stakeholder requirements and conducted user research on over 100 feedback entries to define key data needs, content priorities, and information architecture for a nonprofit education website.Led a team of 3 using Agile and Git to deliver key features on time, resulting in a 30% boost in user engagement within the first month.	

Education Level

Universiti Teknologi Malaysia – Johor Bahru, Malaysia <i>Master of Data Science</i>	Oct 2025 - Expected Feb 2027 (In Progress)
Marwadi University - Rajkot, India <i>Bachelor of Technology in Information Technology</i>	Jun 2021 - Apr 2025

Technical Skills

- Programming & Analysis:** Python (Pandas, NumPy, Scikit-learn), C
- Databases:** SQL (PostgreSQL, MySQL), Data Modeling, Data Warehousing
- Cloud & Big Data:** AWS (S3, EC2, SageMaker), Apache Spark
- Visualization & Tools:** Tableau, Excel (Advanced, PivotTables), Git, Docker, Flask

Projects

Unemployment Analysis and Prediction in India & Pakistan (Team Leader)	Mar 2025 - Apr 2025
<ul style="list-style-type: none">Analyzed unemployment records from India and Pakistan using Python (Pandas, Matplotlib) to identify macroeconomic trends and regional disparities.Developed regression and ensemble-based models to forecast unemployment rates with 90%+ accuracy, supporting data-informed policy recommendations.Created interactive Plotly dashboards to visualize insights and present findings to academic stakeholders.	
Predicting HDB Resale Prices in Singapore	Jan 2025 - Feb 2025
<ul style="list-style-type: none">Cleaned and engineered features from 100,000+ rows of resale flat transaction data, incorporating town, flat type, lease, and geolocation (OneMap API).Engineered features from over 100,000 transaction records to build an XGBoost model that predicts HDB resale prices with over 90% accuracy, empowering Singaporean home buyers and sellers to make confident, data-driven financial decisions.Deployed results through a Plotly Dash tool that allowed real-time price prediction based on user-selected flat features.	

Forecasting Tourism Demand in Singapore

Nov 2024 - Dec 2024

- Collected and integrated historical tourism arrival data, weather patterns, and event schedules to model demand fluctuations in Singapore's tourism sector.
- Developed a forecasting model using Random Forest and XGBoost (RMSE < 10%) to predict monthly tourist arrivals, delivering an interactive Plotly Dash dashboard that allows tourism stakeholders to proactively manage staffing, marketing spend, and resource allocation based on data-driven demand signals.

Additional Information

- Certification:** Google Data Analytics Professional Certificate, DataCamp Data Scientist Certificate
- My Portfolio Website:** https://kaungsithu-sallius.github.io/Kaung_Portfolio/