



Abdul Muhaimin bin Mohd Azam

Jelevu, Negeri Sembilan

(+60) 11-16044425

abdmuhaimin2405@gmail.com

<https://github.com/miynne24>

<https://www.linkedin.com/in/muhaiminazam>

PROFILE

Aspiring data analyst with a strong foundation in data analytics, data mining, data management, software engineering, and database management. Proficient in data visualization tools such as **Tableau** and **Power BI**, and experienced in **Python**, **SPSS**, and **SQL** for data manipulation and analysis. Adept at applying machine learning algorithms and statistical models to uncover underlying patterns to support data-driven decision making. Skilled in integrating **Java**, **HTML**, **CSS**, and **jQuery** to develop dynamic and responsive front-end and back-end applications. Possess a comprehensive understanding of software development processes, including system design, implementation, and testing. Driven by a strong desire to acquire and exchange knowledge as much as possible to enrich career growth and self-development, while also contributing to the company's success.

EDUCATION

Universiti Teknologi MARA (UiTM), Jasin

September 2021 – January 2025

Bachelor of Computer Science (Hons.), CGPA: 3.88, Dean's list for every semester

Relevant Coursework: Data Mining, Data Analytics, Data Structure, Machine Learning, Programming, Computer Networking, Computer Security, Algorithm Analysis & Design, Artificial Intelligence, Software Engineering, Database Management

Silver Award at I-JaMCSIIX 2024 [\[Reference\]](#)

PROJECTS

Forecasting Natural Gas Consumption in Europe with Weather and Macroeconomics variables using ML Models

Python, Excel, GitHub

- Conducted an analysis of natural gas consumption trends in European markets and explored the application of machine learning models for energy forecasting.
- Collected, cleaned, and preprocessed datasets, integrating weather and macroeconomic variables to enhance forecasting accuracy.
- Developed machine learning models, including Support Vector Regression (SVR), K-Nearest Neighbours (KNN), and Random Forest (RF), to evaluate along with existing econometrics models.
- Conducted combined model's weightage calculations and forecast to benchmark its performance against traditional econometric models.

GitHub Models Management

Python, GitHub, EViews

- Standardized and streamlined Python scripts for FX, Rates & Commodities (FXRC) forecasting models to ensure simpler execution and review.
- Developed a new Python script with validation classes to enhance the efficiency and reliability of model testing workflows.
- Gained proficiency in ARIMA, VAR, and VECM models, using parameters and variables provided by analysts in EViews as references for implementation and conversion into Python.
- Developed new Python script to automate model's weightage calculation for combination forecasting and standardized procedures across all FXRC repositories using GitHub terminal.

X Sentiment Analysis on Top Sportswear Brands: Classification and Visualization

Python, PyCharm, Flask, JavaScript

- A final-year project that classifies text sentiment on X (formerly known as Twitter) regarding sportswear brands and visualizes the results.
- Develop and train Naive Bayes model and classify the text regarding sportswear brands.
- Develop Topic Modelling using Non-Probabilistic Matrix Factorization.
- Develop an interactive web application dashboard that visualizes the sentiment on each sportswear brands and created a detailed report.

WORK EXPERIENCES

Permodalan Nasional Berhad

FX, Rates, & Commodities Intern

September 2024 – January 2025

- **Monitored sensitive economic news and currency movements**, compiled data in Excel, and integrated with **Power BI** to generate comprehensive monthly reports.
- **Conducted web scraping** on the United States Department of Agriculture (USDA) website and **implemented asynchronous programming** to optimize data retrieval via API.
- **Developed machine learning models** to forecast natural gas consumption in Europe and integrated the workflow with GitHub repositories for version control and collaboration.
- **Worked collaboratively with a team to develop an application that automates report publication** using Microsoft Power Apps and Power Automate.

SKILLS AND EXPERTISE

- **Technical Skills:** Python, Java, C++, SQL, HTML, SPSS, Tableau, PowerBI, MongoDB, Weka, JavaScript
Power Apps, Power Automate
- **Tools & Framework:** Flask, Git, GitHub
- **Database Management:** Microsoft SQL Server, MySQL
- **Language:** English (Professional), Bahasa Melayu (Native)

REFERENCES

Ts. Dr. Khyrina Airin Fariza binti Abu Samah

(+60) 19-6202424

khyrina783@uitm.edu.my

Academic Advisor

College of Computing, Informatics and Mathematics,

UiTM Cawangan Melaka, Kampus Jasin,

77300 Merlimau, Melaka

Ahmad Aiman bin Asmayatim

(+60) 11-69793257

ahmadaiman@pnb.com.my

Associate Manager

Department of Economics,

Level 87, Menara Merdeka 118,

Presint Merdeka 118, 50118 Kuala Lumpur