Siew Sheng Yao

shengyao330@gmail.com | **016-734 2255** | **Bukit Jalil, Kuala Lumpur** | [Portfolio](#)

Key skills

Data Analysis

- R Studio
- Python (Pandas)
- SQL
- SAS Viya
- Machine Learning
- Data Visualization

Other Technologies

- Java
- PHP
- HTML
- CSS
- JavaScript
- Artificial Intelligent (AI)

Education

Bachelor of Science (Honors) in Data Analytics

Asia Pacific University of Technology & Innovation (APU)

September 2024 – Present

CGPA: 3.77 / 4.0

Diploma in Information and Communication Technology (Software Engineering)

Asia Pacific University of Technology & Innovation (APU)

July 2024

Summary

Second-year Data Analytics student (CGPA 3.77) at APU, seeking a July–Nov 2025 data-analysis internship; skilled in data cleaning, visualization, predictive modeling (R, Python, SQL).

Career history

Internship - Full-stack Developer
at IPS Software Sdn. Bhd. (On-Site)

- April 2024 – July 2024

Overview

Supported end-to-end development and maintenance of web control management systems and e-commerce platforms, contributing to both frontend and backend tasks.

Key responsibilities

- Developed and maintained web applications using PHP, HTML, CSS, JavaScript, jQuery, and AJAX.
- Administered databases and deployments via cPanel, FileZilla, MySQL, and phpMyAdmin.
- Diagnosed and resolved backend bugs and executed system testing to ensure platform stability.

Achievements

- Launched 11 unique e-commerce projects, boosting customer satisfaction by 70%.
- Reduced project errors by 25% through comprehensive testing across 11+ platforms and mobile apps.
- Orchestrated multi-screen synchronization for TV box software, enhancing user experience and performance.

Achievements

CGPA: 3.78 / 4.0 (First Class Honours)

Language

- English (fluent)
- Malay (fluent)
- Mandarin (native)

- APU APAC Python Data Analysis Workshop (2025)
- Microsoft AI For All (BERSAMA) (2025)
- Transforming Industries with ML (2024)
- Postman API Fundamentals Expert (2024)
- APU AWS DeepRacer Participant (2023)

Projects

Credit Risk Classification

- Cleaned and preprocessed a 6,000-row bank credit dataset in R, applying MICE and KNN imputation to resolve missing values.
- Performed exploratory data analysis and feature engineering to identify key predictors (e.g., credit history, loan duration, employment period).
- Built and compared logistic regression, random forest, and gradient boosting models in R; logistic regression achieved an AUC of 0.76.

NYC Crime Data Exploratory Analysis (R Studio)

- Managed and cleaned the 2023 NYC crime dataset (27 attributes) with dplyr, handling transformations, outlier removal, and imputation.
- Visualized temporal and demographic crime trends using ggplot2 (boxplots, heatmaps, and time-series charts).
- Documented and justified each preprocessing step to ensure data quality for downstream analysis.

References

Mr. Lim Chun Cheak

Part-Time Lecturer, Asia Pacific University

Relationship: Lecturer & former student

Tel: +60 3-8996 1000 (ext. _____)

Email: chuncheak.lim@apu.edu.my