

# GOY SHUH XIAN

shuhxian@gmail.com | +60\_16\_473\_2954 | Bayan Lepas, Pulau Pinang, Malaysia

www.linkedin.com/in/shuhxian | https://github.com/Shuhxian

## SUMMARY

A data scientist currently completing my master's degree by September 2024, with experience in NLP, computer vision, generative AI, machine learning, automation, and software development projects. I am a collaborative team player with a track record of delivering results to customers in both the public and private sectors, working seamlessly with teams across different geolocations.

## EDUCATION

**University of Malaya** (Kuala Lumpur, Malaysia)  
Master of Data Science

October 2023 –  
September 2024  
**CGPA: 4.00/4.00**  
September 2018 –  
February 2022  
**CGPA: 3.97/4.00**

**University of Malaya** (Kuala Lumpur, Malaysia)  
Bachelor of Computer Science (Artificial Intelligence)

## WORKING EXPERIENCES

**Inventech Solutions** (Puchong, Malaysia) – Data Scientist

- Developed C++ **computer vision solutions** to detect defects for customers.
- Utilized **image processing** to improve performance.

November  
2023 -  
Present

**Core Consulting** (Kuala Lumpur, Malaysia) - Automation Engineer (Certified Jenkins Engineer)

- **Automated data scraping** using **Python Selenium**.
- Designed and developed **Jenkins CI/CD pipeline**.
- Provided **automation workshops** to internal and government customers.

July 2023 –  
October  
2023

**Intel Microelectronics** (Penang, Malaysia) - Customer Software Enabling and Optimization Engineer

- Represented the company in **SemiCon 2023**.
- Trained a **lightweight chatbot** that runs on CPUs to support our customers.
- Developed **backend** of software that involves **machine learning**, **containerization** and **camera technologies**.
- **Automated** processes using **bash scripting** and **Linux** technologies.

July 2022 -  
June 2023

**(Internship) MoneyLion Sdn Bhd** (Kuala Lumpur, Malaysia) - Data Scientist

- Developed a data detection system using **Python**.
- Carried out **exploratory data analysis** using data cleaning and data manipulation (**Pandas**) on potential hypotheses and presented the findings using data visualization tools such as **matplotlib** and **seaborn**.
- Analyzed customer issues in the chatbot data using **natural language processing** and **unsupervised learning**.

Aug 2020 –  
Jan 2021

## PROJECTS/ACTIVITIES

- Master's Research Project – Formulation of ESG Score Equation: A Machine Learning Approach
  - Used **Python** to predict ESG scores using white-box and black-box models. Utilized **explainable AI** such as SHAP and PDP to explain black-box models.
- Bank Fraud Prediction
  - Used **Apache Spark** to train a model that could detect frauds using bank data provided by NeurIPS. **Apache Hive** is used to explore the data and results are visualized using **Power BI**.
- Intel Industry University Challenge 2022– Third Place (Retail Track)
  - Built a software that allows retailers to calculate and rank the nutritional value of food by carrying out **OCR** through the packaging of the product, subsequently registering the product in a **SQL** database to allow fast queries.
- Degree Final Year Project: Exercise Recommendation System for Cardiac Patients
  - Developed an **Android** app that could recommend suitable exercise to patients in Universiti Malaya Hospital (PPUM) using **collaborative filtering** and **rule-based expert system**.
- UMHackathon 2021 – Third Place (Finance Track)
  - Built a bond price predicting model using **Microsoft Azure** services. The data was pre-processed and Automated Machine Learning was used to train the model.

## SPOKEN LANGUAGES

- Mandarin (Native)
- English (Professional - MUET Band 5)
- Malay (Conversational)

## REFEREE

- Lim Chen Han (Tech Lead, Intel)
- Dr Erma (FYP supervisor, UM)