Syed Jazli Syed Jamaluddin

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Languages

- English – Fluent
- Malay – Native

Interests

- Data Mining
- Machine Learning
- Image Analysis
- Text Analysis
- Graph Theory
- Data Pipeline Architecture
- Simulation
- Database Design
- Knowledge Transfer

Technical Skills

Programming Languages
- Python
- Scala
- MATLAB
- C++
- SQL
- HTML/CSS
- LaTeX

Data Softwares
- Apache Spark
- Apache AirFlow
- Apache Kafka
- TensorFlow
- NetworkX
- Great Expectations
- Tableau
- Mesa
- SimPy

Operating Systems
- macOS
- Linux
- Windows

Miscellaneous
- git
- ImageJ
- Microsoft Office

Experience

2023 - 2024 — **Data Scientist** — GXBank
- Liaised between stakeholders to gather and document business requirements for different projects, ensuring business goal and business understanding are aligned
- Conducted in-depth analysis of existing business processes, identified inefficiencies, and proposed solutions to enhance operational efficiency and effectiveness
- Developed and maintained Tableau dashboards in Tableau cloud, thus providing automated and updated report for stakeholders
- Prepared and maintained solutions for user acceptance testing (UAT) to ensure that the delivered solutions met the specified requirements

2021-2023 — **Data Scientist** — Pickupp
- Pioneered data team at Pickupp, contributing to the company's data-driven culture.
- Conducted exploratory data analysis (EDA) and data mining on large datasets to drive strategic business decisions.
- Developed and implemented a TensorFlow-based model for classifying delivery agents, improving efficiency and accuracy in agent allocation.
- Designed and executed a comprehensive simulation to optimize the movement of agents and parcels within the warehouse network, resulting in improved operational efficiency and cost savings.
- Implemented data preprocessing techniques, including data cleaning, feature engineering, and outlier detection, to ensure high-quality data for modeling and analysis
- Contributed to the development of data infrastructure, including data pipelines, data warehousing, and ETL processes, to support efficient data collection, storage, and analysis.

2014-2021 — **Graduate Research Assistant** — West Virginia University
- Designed experimental procedures using multidisciplinary knowledge such as chemistry, image analysis, mathematics, and statistics
- Wrote MATLAB and Python routines for automating, processing, and analyzing experimental data
- Collaborated with other graduate students to troubleshoot and improve each other's experiments

Education

2021 — **Ph.D. in Chemistry** — West Virginia University
Showalter Research Group
CGPA: 3.73/4.00

2014 — **B.Sc. in Chemistry**
B.Sc. in Forensic and Investigative Science — West Virginia University
CGPA: 3.70/4.00

Continuous Learning

Functional Programming in Scala — **Coursera**
A course on the fundamentals of functional programming in Scala and its applications in daily programming tasks such as business logic and modelling implementation. Covers topics such as higher order functions, data & abstractions, types & pattern matching, and collections.

Python for Data Science, AI, and Development — **Coursera**
Application of Python in Data Science, AI, and Data Engineering. Topic covered includes data structures, logic concepts, and various Python libraries such as Numpy, Pandas, and Beautiful Soup.