

MUHAMMAD IRFAN SYAFI BIN ZAHARUDDIN

Bachelor of Information Systems (Hons) Intelligent Systems Engineering

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ABOUT ME

An active volunteer with experiences in various programmes that shaped my organizational and management skills. Enthusiastic and passionate about my project work. I see myself as a person who can contribute to the industry from the knowledge and experience gained.

WORK EXPERIENCE

PROTEGE (Petronas)

- Conducted Extract, Transform, Load (ETL) processes to track changes of seismic activities and visualization on PowerBI from publicly available sites using web scraping techniques
- Develop a Monte Carlo Simulation for Extreme Value Analysis using Python and containerized the application using Docker.
- Time Series Weather Forecasting using Deep Learning techniques such as LSTM, CNN, ARIMA by leveraging PyTorch and Tensorflow framework. (In Progress)

INTERNSHIP (Panasonic)

Programmer - HR Payroll Program

- Utilized Visual Basic (VB) programming and SQL script in Excel to automate the monthly salary report in Excel during internship.
- Created clear and concise System Requirement Specifications (SRS) and User Acceptance Testing (UAT) documents for the user.

IT Support

- Provided technical support to employees, troubleshooting hardware and software issues and resolving them quickly to minimize downtime.
- Communicated technical information to non-technical colleagues in a clear and understandable manner to facilitate effective problem solving
- Experience in automating software removal using Powershell scripting and terminal prompt.

ACHIEVEMENTS

- Vice Chancellor Award - Dean's Award for Semester 1,2,3,4,5,6 and 7
- Received JPA MARA Scholarship
- Shortlisted as the Top 30 teams Malaysia in Malaysian Data Innovation Talent 2021

PROJECTS

Sentiment Analysis in Employee Satisfaction in a Company

- Conducted Extract, Load, Transform (ETL) processes for secondary data obtained publicly by utilizing web scraping techniques and Python.
- Applied machine learning model to classify the polarity of the sentiments using RapidMiner tools. The results of the findings shown in a dashboard using PowerBI

Image Scenery Recognition using Convolutional Neural Network

- Developed the convolutional neural network architecture using Python and Tensorflow. Achieved 77% of accuracy in prediction of the scenery.

Credit Scoring Fuzzy Logic System

- Developed a fuzzy system to determine the credibility of a small and medium businesses in handling their loan based on their credit scores.

Airplanes Flight: International Economic Recovery (AFIER)

- Conducted data cleaning and visualization using Power BI for the Malaysian Data Innovation Talent 2021 based on open source dataset.

PC Location Management System

- Build a management system that track the record of the PC location in the company using ASP.NET technology and SQL Server as the database

Optometry Business Database Management

- Developed a relational database management system using SQL on Oracle including the product inbound and outbound inventory.

Sport Booking System

- A booking system for reservation of the availability of the court in a month using C++

Graphical User Interface for Ice Cream clicking game.

- Creating a GUI game using Java programming language.

SIDE PROJECTS

Telegram Bot for Daily Blood Donation Info

- ETL from <https://github.com/MoH-Malaysia> to get the daily data of blood donations in Malaysia.
- Visualize and send the information through Telegram API into personalized group.
- Repositories are available here : https://github.com/irfansyafi/malaysia_blood_donation

Streamlit Application

- Deploying a streamlit application by containerized using Docker and port forwarding through tunneling using nginx in a virtual machine (Ubuntu).

CERTIFICATION & EXTRACURRICULAR

Industrial Training Program

- Certificate of Completion by Panasonic Manufacturing Malaysia (PMMA).

Microsoft

- Microsoft Certified : AI Engineer Associate
- Microsoft Certified : Azure AI Fundamentals
- Microsoft Certified : Azure Fundamentals
- Microsoft Office Specialist

Active member of Malaysian Red Crescent Society

- Certified in the **Basic First Aid Certification** by the Malaysian Red Crescent Society
- Certified in the **Advanced First Aid Certification** by the Malaysian Red Crescent Society
- Responsible in handling various role in the organization during event.

Competitive Programming Workshop 2020

- Handled and solved technical issues during the event as the **Technical Bureau**

EDUCATIONAL BACKGROUND

Universiti Teknologi MARA (Aug 2019 - March 2023).

Bachelor of Information Systems (Hons.) Intelligent Systems Engineering

CGPA : 3.64

Skills: PowerBI, SQL, NoSQL, Python, C++, Java, Machine learning, Databases

Engineering Foundation in UiTM Dengkil (May 2018 - June 2019).

CGPA : 3.33

Sekolah Menengah Sains Teluk Intan (2013-2017).

SPM : 7A, 2B

REFERENCES

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Internship Supervisor

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