# 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 of my project work. I see myself as a person who can contribute to the industry from the knowledge and experience gain.

## 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.
- Proof of concept on Time Series Weather Forecasting using Deep Learning techniques such as LSTM, CNN and other machine learning techniques by leveraging PyTorch and Tensorflow framework.

**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 that host 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 Menegah Sains Teluk Intan (2013-2017).**
**SPM : 7A, 2B**

## REFERENCES

**En. M Nasir b Abdullah A**
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