# MUHAMMAD SYAMIL ALI

Intelligent System Engineering Graduate

## My Contact


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## Hard Skills

- Machine Learning / Deep Learning
- Programming Languages
- Data Analytics
- Databases

## Soft Skills

- Teamwork
- Decision making
- Time management
- Problem-solving

## Languages

- Malay
- English

## Education

- **Universiti Teknologi Mara (2018 - 2022)**
  *Bachelor in Information Technology (Hons.)*
  *Intelligent System Engineering*
  CGPA 3.74

- **Universiti Teknologi Mara (2017 - 2018)**
  *Foundation in Engineering*
  CGPA 3.75

## Achievements

| | |
|---|---|
| 2022 | Microsoft Certified: Azure Data Scientist Associate |
| 2022 | Vice-Chancellor Award |
| 2022 | TalentLabs Foundation Certificate in Data Analytics |
| 2021 | Best Paper Award SCDS2021 |

## About Me

IT graduate major in intelligent system engineering with a background in programming, database, data analytics, mathematics and artificial intelligence with a CGPA of 3.74 and certified Azure Data Scientist Associate. Experience working at Petronas as a Power Apps developer as part of on-the-job training. Seeking a position in a data science role to start my career.

## Work Experience

### Microsoft PowerApps Developer Internship (Petronas)

*2021 - 2022*

Key responsibilities:

- Assist Group Technical Solutions team in developing an application that can track, analyze and report the benefits derived from each registered power plant using Microsoft PowerApps for the front-end and Microsoft SharePoint List for the back-end
- Application developed have successfully satisfied business requirements and proceed to the next stage

## Project Experience

### Sudoku Image Solver Prototype

*2022*

Project Descriptions:

- Involved in building a prototype system that can solve sudoku from images
- The prototype was developed using OpenCV library and a digit classification model to extract sudoku numbers from the image, a backtracking algorithm to solve the sudoku and also Streamlit library as the user interface
- The prototype works extremely well in a controlled environment

### Sentiment Analysis Evaluation using CNN and LSTM (FYP)

*2020 -2021*

Project Descriptions:

- Performed tweets extraction from Twitter using Python libraries which resulted in 10775 tweets extracted
- Extracted tweets were evaluated and cleaned using multiple text preprocessing techniques to improve the structure of the data
- Applied multiple variants of the deep learning model to the cleaned dataset and evaluate the performance of each models
- Variation of the LSTM-CNN model has been found to provide the highest performance (87.4% accuracy) compared to the other variation models

### Heart Failure Prediction Project

*2021*

Project Descriptions:

- Analyzed Heart Failure dataset to detect abnormal patterns using Python
- Performed various visualization techniques to find the relationship between each feature in the dataset
- Applied multiple machine learning models to investigate the performance metrics among the models
- Results found that the Linear Support Vector Classifier model has the highest performance matrix of 89% accuracy in the heart failure