

# Amirul Asyraf Kamaruzzaman

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## EDUCATION

### Universiti Teknologi MARA (UiTM)

*Bachelor of Engineering (Hons.) Electronics Engineering*

**Shah Alam, Selangor, MY.**

*September 2016 - June 2021*

- CGPA: 3.61
- UT MARA Debating Society, Final Year Project: Translating Hand Gestures Using 3D CNN Using Python

### Universiti Teknologi MARA (UiTM)

*Foundation of Engineering*

**Dengkil, Selangor, MY.**

*March 2015 - June 2016*

- CGPA: 3.00

## WORK EXPERIENCE

### Aerodyne Group Sdn. Bhd.

*Internship*

**Phileo Damansara, Selangor, MY.**

*July 2019 - August 2019*

- Catalogued and analysed collected data for Artificial Intelligence sampling and development using SQL and Python. Operated on Convolutional Neural Networks (CNN) for Object Detection.
- Engaged in data processing and analysis of more than 500 images and relevant data daily.

## LEADERSHIP EXPERIENCE

### UT MARA Debating Society

*President*

**Shah Alam, Selangor, MY.**

*March 2019 - March 2020*

- Executed various debate tournaments and workshops at an international level. Participation numbered more than 50 teams (both local and international) and more than 100 participants per tournament.
- Succeeded in negotiating the contingent's participation in international tournaments (cost of RM 20,000+ per tournament) held in Indonesia, Vietnam, Thailand, and the United Kingdom, with the university administration.
- Revamped club training by employing 3 trainers which led to contingent achievements such as Nationals Champions, World ESL Quarterfinalists and Top 50 Worlds ranked judge, Cambridge Intervarsity ESL Semifinalists and 6 local finals.

*Vice President*

*March 2018 - March 2019*

- Succeeded in negotiating the contingent's participation in international tournaments (cost of RM 40,000+ per tournament) held in Vietnam, South Africa, and the United Kingdom, with the university administration.

## PROJECTS

### Translating Hand Gestures using 3D-CNN using Python

- Developed and trained a gesture recognition system to detect and identify hand gestures in real-time using a 3D Convolutional Neural Network (3D-CNN) programmed using Python.
- Underwent data processing and analysis of the dataset (>100,000 videos) for identification of hand gestures.

### COVID-19 Track&Trace System using PHP and MySQL Hosted on AWS

- Built a web application that stored information of individuals and where they visited (similar to MySejahtera) using PHP and MySQL database and used AWS to host the website.
- Independently developed the front-end and back-end of the web application using HTML, CSS, Javascript for the front-end, and MySQL for the database.

### Pharmacy Management System Using C++

- Programmed a system for pharmacies to keep track of orders, availability of drugs and medicine, and allow pharmacists to key in prescriptions for patients. Input/data was successfully stored and could be retrieved.

### Online Airport System using C++

- Developed a system which included different menus for passengers to check flight details, purchase flights, and check-in luggage. System successfully stored input/data from users and was able to retrieve said input/data.

## SKILLS & INTERESTS

**Skills:** Python, C++. SQL, R Programming, HTML & CSS, AWS, Microsoft Office (Excel, Word, Powerpoint)

**Interests:** Software Development, Data Science and Analytics, Reading, Working Out, Tennis