

# AFIQ AIMAN BIN AHMAD FAIRUZ RIZAL

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## PROFESSIONAL SUMMARY

Highly determined and self-disciplined graduate with strong academic knowledge and passion in the areas of programming as well as software and web development. Knowledgeable in HTML, CSS, C# and JavaScript along with PHP and Python. Recognized as a fast learner while able to perform independently under minimal supervision.



## EDUCATION & KEY KNOWLEDGE AREAS

**Bachelor of Engineering (Mechatronics) (Hons | CGPA: 3.60)**, International Islamic University Malaysia (2021)

Software Engineering  
Digital Signal Processing  
Embedded System Design

Robotics  
Biomedical Instrumentation  
Power Electronics & Drives

Industrial Automation  
Control System  
Engineering Design

### *IT Skills*

Laravel | HTML | CSS | PHP | JavaScript | Python | C# | C++ | Microsoft Office



## ACADEMIC PROJECTS

**Final Year Project** (2021) – Speech Emotion Recognition (SER) Using Bahasa Malaysia

- Developed machine learning algorithms using Python in identifying the emotion of the speaker from the speaker's speech.

**Integrated Design Project** (2020) – Window Cleaning Robot Design

- Integrated Arduino Nano and other components including as motor driver, servo and DC motor to ensure smooth movement of the robot.



## WORKING EXPERIENCE

**Web Developer Trainee**, Favourite Trainer Sdn Bhd

Jun 2021 – Aug 2021

- Assisted in carrying out both frontend and backend development activities.
- Harnessed an array of tools including HTML, CSS, JS, PHP and Laravel.

**Part-time Worker**, Giant (Uncle Jack)

Jun 2019 – Aug 2019

- Performed food preparation and cashiering activities in ensuring excellent customer service.

**Freelance Tutor**

Jun 2018 – Present

- Tutored the subjects of Mathematics and Science to PT3 and SPM level students.



## EXTRACURRICULAR INVOLVEMENT

- **Head of General Task**, Titian Wahyu Club – Organized and sourced sponsors for various charity programs while participated in the Jom Bekpes, Engage the Refugees, IIm Project Uno along with Helping the Homeless programs (2017 – 2020).
- **Block Representative Committee** – Engaged with the college management in resolving the day-to-day issues at the hostel block (2017 – 2019).
- **Participant**, Community Service: Youth in Action – Carried out various charity work for orphanages in Kelantan (2019).
- **Participant**, ‘Charity Run: Run for Underprivileged’, Engitex’19 Wave Run and ‘Fly High 7.0’ (2019).
- **Committee**, Future Technologies – Co-organized the program in exposing engineering students to future technologies (2018).
- Won the Gold Medal for volleyball and Silver Medal for marching during the IIUM Sports Carnival (2018).



## AWARDS & RECOGNITIONS

- Presented the research paper at the 7th IEEE International Conference on Signal & Image Processing 2021 attended by best academicians.
- Successfully published the Speech Emotion Recognition Using Bahasa Malaysia in the IEEE (Institute of Electrical and Electronics Engineers) Xplore publication (2021).
- Awarded 5 times Dean’s List.



## SKILLS & STRENGTHS

**Analytical Skills:** Able to effectively analyze and process large volumes of information in conceiving sound conclusions.

**Planning & Organizational Skills:** Demonstrated outstanding capacity in planning and completing both academic and non-academic tasks within set deadlines.

