

# 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 Laravel, HTML, CSS and PHP along with Python and C#. 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.

