





WAN AMRIN JAFFNI BIN ZAINUDDIN

I am a motivated and enthusiastic individual with a strong sense of responsibility and reliability. I excel in collaborative team settings and can easily adapt to challenging situations. Whether working independently or as part of a team, I consistently deliver results. I thrive in high-pressure situations and am adept at meeting tight deadlines.

CONTACT

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-  Kota Bharu, Kelantan

SKILLS

- Programming Languages
 - C/C++, C#, PHP, Python, Java, Dart, HTML, CSS, JavaScript
- Framework
 - Flutter, Django, Laravel
- Software
 - Firebase, MySQL, MongoDB
 - Visual Studio Code, Microsoft Office (Word, PowerPoint, Excel), EagleCAD, AutoCAD, Arduino IDE, Proteus
- Hardware
 - Arduino, ESP, Raspberry Pi, Nvidia Jetson Nano
- Others
 - Wiring, Soldering, Circuit Drawing, PCB Design, Circuit Fault Finding

WORK EXPERIENCE

STOCK TAKER (PART TIME)

Retail & Asset Solutions Ltd | Nov 2021 – Sep 2023

- Perform accurate counting of the store's inventory.
- Conduct regular stock counts to maintain inventory accuracy.
- Utilize counting tools and equipment as needed for efficiency.

TRANSLATOR (JAPANESE – ENGLISH)

Freelance | Aug 2018 – Aug 2021

- Accurately translate written documents from Japanese to English and vice versa.
- Ensure the preservation of the original meaning, tone, and style in the translation.
- Proofread and edit translated materials to maintain linguistic accuracy and coherence.

TECHNICIAN AND SYSTEM PROGRAMMER (INTERNSHIP)

Monaliza & Mastura | Aug 2020 – Nov 2020

- Diagnose and resolve hardware issues with laptops and PCs.
- Perform troubleshooting to identify and fix faults in computer systems.
- Conduct maintenance activities on the company's system, which is developed using HTML, CSS, JavaScript, and PHP.

EDUCATION

BACHELOR OF ENGINEERING IN COMPUTER AND ELECTRONIC SYSTEMS

University of Strathclyde | 2021 - 2023

DIPLOMA OF ELECTRONIC ENGINEERING (EMBEDDED SYSTEM)

MARA Japan Industrial Institute | 2018 - 2020

SIJIL PELAJARAN MALAYSIA

MRSM Taiping | 2016 - 2017

ACHIEVEMENT

- Achieved Japanese Language Proficiency Test (JLPT) N3 certification in 2019.
- Secured the Silver Award at the International Eureka Innovation Exhibition in 2018.
 - Showcased the "Green Tech (Tree) Plantricity" project, introducing a novel method of harvesting energy from living organisms.
 - Pioneered the "Power From Blood Cell Can Lead To Blood Cell Battery" project as part of the innovative initiatives presented.

LANGUAGE

- Malay - Native
- English - Fluent
- Japanese - Fluent (JLPT N3)

PROJECTS

4TH YEAR BACHELOR'S PROJECT - CENTRALIZED CONTROL DEVELOPMENT FOR MICROSCOPIC ELEMENTS USING IM SWITCH AND JETSON NANO

- Design and implement a centralized graphical user interface (GUI) for microscope elements on Jetson Nano.
- Manage control functions for the microscopic camera.
- Regulate lasers, stage, and mirrors through ESP32, establishing a serial connection to Jetson Nano.

3RD YEAR BACHELOR'S PROJECT - THE BINARY GAME

- Develop an interactive binary game, incorporating logic gates and adders, using Raspberry Pi 4.
- Create a dedicated Android app for an enhanced gaming experience.
- Adopt a modular design, allowing the addition of new modules, such as complex logic gates, to seamlessly integrate with the main board design.

FINAL YEAR DIPLOMA PROJECT - SMART AIR PURIFIER:

- Collect air quality data and present it graphically on a weekly basis.
- Enable remote control functionality through an Android app.
- Implement automatic activation of the air purifier when air quality drops below a specified threshold.

MINI PROJECT - RFID-BASED CARD GAME:

- Construct a playing field equipped with RFID readers, with RFID cards serving as game elements.
- Integrate card movements on the field with real-time reflection on an Android app.
- Incorporate voice-activated sound effects for an immersive gaming experience.

REFERENCE

DR Ralf Bauer
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