

# Danial Aiman Bin Noor Azman

## BACHELOR OF ELECTRONIC ENGINEERING

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## PROFILE

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Goal-oriented Electronic Engineering graduate with strong fundamentals in embedded systems and a growing interest in software development. Seeking an entry-level role as a Junior Engineer or Software Engineer where I can apply technical knowledge to build efficient, real-world solutions. Brings a hands-on approach to problem-solving, a passion for learning emerging technologies, and a collaborative mindset to support team success and continuous improvement.

## CORE SUBJECT

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- Semiconductor Devices
- Electronic Circuit Design
- Wireless Communication
- Embedded Programming
- Microcontroller Programming
- Analog Circuit
- Microelectronics
- Control Systems
- Digital Electronics
- Signal Processing

## WORK EXPERIENCE

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### Microenergy Holding Sdn. Bhd ( Internship ) Maintenance and Design

July 2023 - Oct 2023

- Skilled in installing and maintaining solar energy systems such as AC boxes, inverters, and DC breakers. Experienced in reading and following single-line diagrams for installations.
- Proficient in setting up and monitoring data loggers to collect and store solar system data.
- Conducted inspections of solar panel structures and mounting systems for quality follow by industry standards.
- Skilled to design PV layouts using AutoCAD, Google Maps and using PVsyst for optimize solar panel placement for maximum energy production.

### Perniagaan Binajaya Corporation Sdn. Bhd ( Internship ) Telecommunication Technician

Mac 2021 - Aug 2021

- Assisted installation wiring team in telecommunication equipment.
- Assisted technical site survey of the of location equipment, infrastructure and cable route.
- Perform documentation and digital drawings using AutoCAD software.

## EDUCATION

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### Universiti Tun Hussein Onn Malaysia (UTHM)

2021 – 2025

*Bachelor of Electronic Engineering with Honours*

- GPA : 3.13
- *Specialist in Computer*

### Politeknik Ibrahim Sultan, Johor

2018 - 2021

*Diploma in Electronic Engineering Communication*

- GPA : 3.69

## PERSONAL PROJECT ( FINAL YEAR PROJECT )

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### Football Foul Detection Using Deep Learning

- Developed a system to detect football fouls ( Tripping ) using deep learning with YOLOv8 on 4,000+ match images.
- Skill: Python , YOLOv8 , Computer Vision , Deep Learning , Data Annotation

### IoT-Based Smart Home Automation System

- Designed and implemented an IoT system to control home appliances (lights, fans, AC) remotely using a smartphone (Blynk app) and voice commands (Google Assistant + IFTTT).
- Skills: IoT, Microcontroller, Home Automation, Sensor, Relay Circuits , IFTTT , Google Assistant API

## EXTRACURRICULAR ACTIVITIES

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- Finalist in ROBOTO Tournament by Jabatan Kejuruteraan Elektrik, Ibrahim Sultan (2019).
- Participated in STEM Robotic Program at SMK Dato Syed Esa, Batu Pahat (2024).

## CERTIFICATIONS

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- SIX Sigma DMAIC Greenbelt - GMP Quality Consultant ( 2021 )
- Digital Freelancing in Web Design & IT Workstream MOHE-MDEC Global Outsourcing Talent (GOT) (2025)
- AWS Cloud Technical Essentials - Amazon Web Services ( 2025 )
- Crash Course on Python - Google ( 2025 )
- Programming with JavaScript - Meta ( 2025 )

## LANGUAGES

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- Malay
- English

## ADDITIONAL SKILL

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- Software and Tools : AutoCAD , MATLAB , Microcontroller / Embedded System , Proteus, Xilinx /Vivado, Quartus
- Programming languages : C++, JavaScript , HTML , CSS , Python , Verilog / VHDL
- Circuit Testing Equipments: Oscilloscope, Multimeter, Signal Generator
- Technical Abilities: Circuit debugging, testing, multimedia editing, basic programming, simulation

## REFERENCE

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Dr. Nik Shahidah Afifi Binti MD Taujuddin

- *Lecturer and Academic Advisor of University Tun Hussein Onn*
- *shahidah@uthm.edu.my*
- *019-718 3298*

Pn. Yuzi Binti Saidun

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