

# SYAMSUL ARIFIN BIN AWI BOWO

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## OBJECTIVE

Motivated and detail-oriented Industrial Electronic Automation student with hands-on experience in PLC programming, robotics, and industrial systems through academic projects and training. Seeking an entry-level position to contribute technical knowledge and grow in the field of industrial automation.

## EDUCATION

### Bachelor of Technology in Industrial Electronic Automation with Honours

Mac 2024 - Expected  
July 2027

Universiti Malaysia Pahang Al-Sultan Abdullah

- Relevant coursework : PLC Programming, Pneumatics, Robotics, SCADA Systems, Arduino/NodeMCU, Electrical AutoCAD/EPlan Design.
- Gained hands-on experience with Omron & Siemens PLCs, panel troubleshooting and system integration.

### Diploma in Electronic Technology

May 2021 - May 2023

Kolej Vokasional Sungai Buloh

- Relevant coursework : Electronic Circuit Fabrication, Pneumatics & Hydraulics, Electro-pneumatics, Robotics, Arduino/NodeMCU, AutoCAD.
- Final Year Project: Smart Attendance System Using RFID and IoT

### Sijil Kemahiran Malaysia Level Three in Electronic Equipment Troubleshooting, Repair & Maintenance.

Kolej Vokasional Sungai Buloh

May 2019 - May 2021

- Relevant coursework : Troubleshooting, Repairing, Maintaining electronic devices and systems.
- Gained hands-on experience with soldering, PCB repair, and use of electronic test instruments.
- Familiar with safety standards and maintenance procedures

## SKILLS

- |   |   |   |                   |
|---|---|---|-------------------|
| • PLC Programming (Cx-programmer, TIA Portal) | • SCADA Design (WinCC)                    | • HMI Design                                  | • Microsoft Word  |
| • Pneumatics & Electro-pneumatics             | • Circuit Design (Proteus, Multisim)      | • Arduino/NodeMCU Programming                 | • Canva           |
| • Mobile App Development (Android Studio)     | • Python Programming (Streamlit)          | • Website Development (Html, Css, Javascript) | • Microsoft Excel |
| • Electrical Drawing (AutoCAD, Eplan)         | • Dashboard Visualization (Looker Studio) | • Microsoft Excel                             |                   |

## EXPERIENCE

### Student Work Scheme, UMPSA Teaching Factory

Jan 2025 - Feb 2025

- Assisted in repair and improve the car absorber assembly production line.
- Troubleshoot and rewiring all the workstation using a new wiring technology approach.
- Develop plc programming control and monitoring system including collaborative robot and human machine interfaces.

### Internship - Flowco(M) Sdn. Bhd.

May 2023 - Oct 2023

- Assisted in board repair, troubleshooting and testing.
- Assisted in fuel pump dressing and dismantle.
- Conducted a Pre-Work and Pre-Delivery Inspection.

## HONORS & ACTIVITIES

- AJK Blok Mawaddah in Residen Pelajar 5
- Dean's Award Semester II 23/24
- Omron Collaborative Robot (COBOT) Level 1
- Introduction to Microsoft Excel (Coursera)
- Introduction to Data Analysis using Microsoft Excel (Coursera)
- Single Phase Electrical Wiring Installation
- Naib Bendahari Kelab Teknologi Elektronik
- Participated on Malaysia Invention & Innovation Expo 2023
- Best Strategy Award of National Robotic League

## REFERENCES

- Ir. Mohamad Rahimi Bin Mohamed Rodzi**  
Head of Programme, Bachelor of Technology in Industrial Electronic Automation  
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- Dr. Saifudin bin Razali**  
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