

Curriculum Vitae

AHMAD SYAHIDUL AMIN BIN MOHAMAD AZNAL

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Profile

A highly motivated and energetic fresh graduate with strong fundamentals in industrial electronic automation. Passionate about teamwork, analysis, research, and innovative problem-solving. Seeking an engineering position in a company that offers exciting challenges and growth opportunities.

About Me

I'm a passionate and results-driven engineer specializing in industrial automation, robotics, and process optimization. I have hands-on experience in developing efficient, user-focused systems and continuously strive to expand my technical skill set.

Education

Bachelor of Technology in Industrial Electronic Automation with Honors

University Malaysia Pahang Al-Sultan Abdullah (2024 – Present)

GPA: 3.90 / 4.00

Diploma in Electronic Technology

Tanjung Puteri College Vocational (2018 – 2022)

GPA: 3.67 / 3.69

Projects

1. IR 4.0 Production Line Phase 1

- Led the setup and restoration of a production line from technical drawings.
- Integrated mechanical/electrical components and developed a real-time HMI.

2. CNC Milling

- Programmed, operated, and calibrated CNC milling machines.
- Read blueprints, optimized G-code, and ensured machining precision.

3. Jig Assembly

- Assembled precision jigs from drawing, using hand and power tools.
- Conducted quality checks to meet dimensional tolerances.

4. Compact Sorting Bin Kit

- Developed a PLC-based educational kit for vocational colleges.

Technical Skills

- **CX-Programmer:** Proficient in Ladder Programming Language for PLC systems.
- **CX-Designer:** Skilled in designing Graphic User Interfaces (GUIs) for Omron PLC systems.
- **Proteus 8 Professional:** Experienced in using simulation and design software for electronic projects.
- **AutoCAD:** Competent in 2D and 3D drawing for design and drafting purposes.
- **Python Programming:** Knowledge of basic Python programming principles.
- **C Programming:** Knowledge of basic C programming principles.
- **Android Studio:** Capable of mobile app development using Android Studio.
- **EPLAN Electric P8:** Skilled in designing and creating 2D electrical drawings.
- **PLC Programming:** Experienced in Mitsubishi PLC programming.
- **Cisco Packet Tracer:** Able to design network configurations using routers.
- **Microsoft Word:** Proficient in creating project reports and documentation.
- **Microsoft Excel:** Skilled in data analysis and manipulation using Microsoft Excel.

Work Experience

- **ASJ COMPONENTS SDN (M) BHD (2023-2024)**
 - **Technician**
 - Installed and configured machines, ensuring optimal performance.
 - Diagnosed complex problems, replaced faulty components, and ensured smooth operation of equipment.
 - Provided technical assistance to operators and other staff, resolving technical issues efficiently.
 - Maintained detailed records of maintenance, repairs, and equipment performance for future reference.

- **JOHOR SKILLS (JCORP) (2023)**
 - **Experts Craftsman Machining in Process**
 - Set up CNC machines, lathes, milling machines, and other machining tools to perform precise cutting, drilling, and shaping operations.
 - Crafted metal components with extremely tight tolerances using advanced techniques such as milling, turning, and grinding.
 - Completed a 2-month short course, gaining specialized skills in precision machining.
- **OHNISHI ELECTRONIC (M) SDN BHD (2022)**
 - **Intern**
 - Consistently completed all assigned tasks within specified timeframes, delivering high-quality results.
 - Demonstrated strong teamwork skills in project execution, contributing to successful project outcomes.
 - Completed a 6-month internship, gaining practical experience in electronic manufacturing.

Achievements

- Participated in the Higher Education English Language Carnival 2024 (HE ELCA 2024) organized by the Centre for Modern Languages, University Malaysia Pahang Al-Sultan Abdullah and Department of Higher Education.
- Successfully completed an online non-credit project on Introduction to Data Analysis using Microsoft Excel authorized by Coursera Project Network and offered through Coursera.
- Successfully completed an online non-credit project on Introduction to Microsoft Excel authorized by Coursera Project Network and offered through Coursera.
- Successfully completed training on OMRON Collaborative Robot (COBOT) Level 1 at University Malaysia Pahang Al-Sultan Abdullah.
- Participated in the FORUM TVET IN AI DRIVEN ECONOMY organized by the Faculty of Engineering Technology Electrical and Electronics, University Malaysia Pahang Al-Sultan Abdullah.
- Participated in the PROGRAM SENSEI GAKUSEI: Time Mastery: Unleashing Your Productivity Potential organized by the Student Resident Representative 4 (PEKA 4), University Malaysia Pahang Al-Sultan Abdullah.

Additional Skills

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

Languages

- Malay: Fluent
- English: Intermediate
- Chinese: Basic

References

- **UMPSA Pekan (Main Campus)**
University Malaysia Pahang Al Sultan Abdullah
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- **Ts. Dr. Raja Mohd Taufika Bin Raja Ismail**
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