AHMAD ALIIF NAJMI BIN AZLI

Electronics Engineering & Software Logic Specialist with Practical Experience in System Development and Project Management

📞 **+6013-943 9123**   📧 **aliifnajmi12@gmail.com**

🌐 **https://lipasterbang.github.io/aliifnajmi-portfolio/**

in **www.linkedin.com/in/aliifnajmi-**

21080 Kuala Terengganu, Terengganu Darul Iman

EDUCATIONAL BACKGROUND

University College of Yayasan Pahang (Sep 2020 - Mar 2023)

Bachelor of Software Engineering with Honours

- Major in Software Engineering (**CGPA: 3.54**)
- Focus: System Logic, Data Automation, Database Management.

Ungku Omar Polytechnic PUO (July 2017 - Nov 2019)

Diploma in Electronics Engineering (Computer)

- Graduated with **CGPA: 2.65**
- Focus: Industrial Electronics, Electrical Circuits, Instrument & Measurement.

TECHNICAL SKILLS

- **Programming Languages:** Java (Intermediate), C++ (Intermediate), Python (Intermediate), HTML, CSS, JavaScript (Basic)
- **Web Development:** HTML5, CSS3, JavaScript, PHP, MySQL
- **Software Development Tools:** Android Studio, Visual Studio, Git (Version Control)
- **Mobile App Development:** Android Studio (Java), Firebase integration
- **Electrical & Electronics:** PCB Troubleshooting, Soldering, Circuit Analysis, Multimeter Usage.
- **Wiring Basics:** Familiar with schematic diagrams, sensor connections, and voltage testing.
- **Maintenance:** Preventive maintenance concepts, Safety SOP compliance.
- **Monitoring Logic:** Understanding Input/Output (I/O) flows, Sensor Data Interpretation, Alert Triggers.

PROFILE

Disciplined Engineering graduate with a unique hybrid background: Diploma in Electronics Engineering combined with a Bachelor's in Software Engineering. Offering strong capability in Hardware Troubleshooting (PCBs, Wiring, Sensors) and BMS System Logic (Data Monitoring, Fault Detection).

WORK EXPERIENCE

Perbudi Sdn Bhd (Jabatan Pengairan Dan Saliran Daerah Kuala Nerus)

Protégé Programme - Executive (Administration) | Jan 2025 – Present

- Managing administrative tasks, including document preparation, scheduling, and correspondence to ensure smooth project execution.
- Handling data entry, record-keeping, and organizing project reports using Microsoft Office Suite (Word, Excel, PowerPoint).

MZ Hakujaya Sdn Bhd (JKR Cawangan Kejuruteraan Elektrik Terengganu)

Protégé Programme- Electrical Engineer Trainee | Nov 2023 – Oct 2024

- Lead the development of a web-based system based on Jadual Kadar Kerja Elektrik (JKKE), Web-based calculator automating JKR's Bill of Quantities (BQ). Logic adaptable for Spare Part Inventory Costing.
- Collaborated with senior engineers to prepare detailed bill of quantities (BQ) for multiple electrical projects, improving project planning accuracy by 15%.
- Assisted in creating mock-ups for electrical engineering projects, ensuring designs adhered to industry standards and client requirements.

PROJECTS

JKKE Automated Costing System (for JKR)

- **Automation:** Developed a calculation engine to automate manual costing, reducing human error by 50%.
- **Calibration:** Configured strict parameter inputs similar to BMS Setpoints to ensure data accuracy.
- **Documentation:** Created comprehensive User Manuals for technical staff.

Digital Admin Website Dashboard (for Jabatan Pengairan Saliran Kuala Nerus)

- **Centralization:** Migrated physical logbooks into a secure digital portal for fast retrieval of Asset Logs and SOPs.
- **SOP Compliance:** Ensured system workflow aligned with strict Government compliance standards.

REFERENCES

NOR AMIZAM BINTI JUSOH
Supervisor Lecturer
University College of Yayasan Pahang
+60 13-9287710
noramizam@ucyp.edu.my

Ir. AISYAH BINTI ABU BAKAR
Jurutera Daerah
Jabatan Pengairan Dan Saliran,
Daerah Kuala Nerus, Terengganu
+60 12-224 1175
aisyahab@water.gov.my