

BOBBY HARYA PRAMANA



CONTACT

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PROFESSIONAL SUMMARY

An electronics engineer with strong expertise in embedded systems, IoT, PLC programming, and advanced electronic circuit analysis. Experienced in programming STM32, Arduino, and ESP32 microcontrollers, integrating LoRa modules, working with industrial sensors, and developing real-time monitoring systems using Raspberry Pi and various databases. Skilled in PCB design and creating precise 3D-printed enclosures. Highly analytical, adaptable, and collaborative, with excellent interpersonal communication skills. Also proficient in leveraging Artificial Intelligence tools effectively to support analysis, design, and innovation in electronic systems development.

EXPERIENCE

Intern, PT. Industri Kereta Api (INKA) | September 2024 - Desember 2024

- Studied and created schematic diagrams of railway power systems using AutoCAD Electrical.
- Analyzed and learned the principles of railway propulsion systems, including inverters and traction motors.
- Involved in reviewing, evaluating, and improving the design of propulsion systems for high-speed trains.
- Collaborated with engineers in troubleshooting and optimizing electrical drive components.
- Gained practical insights into the integration of modern embedded electronics in rail systems.
- Strengthened technical communication, teamwork, and adaptability in a real industrial setting.

AWARDS AND CERTIFICATION

Industrial Automation (2024)

Certified in Industrial Automation with a focus on control systems, sensor integration, PLC programming, and automation workflows. Gained practical experience in designing and implementing automated solutions for industrial environments using modern automation tools and industry-standard equipment.

ACADEMIC HISTORY

Politeknik Negeri Semarang (2022 - Now)

Diploma 3, Major Elektro, Electronic Engineering

- GPA 3.6
- Expertise: Electronics Systems, Circuit Analysis, Embedded Programming, and PLC Programming