

# WILDAN ADI SURYA

Electrical Engineer | Industrial Automation & IoT Engineer

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Portfolio: <https://wildan.cloud>

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## SUMMARY

Electrical Engineering graduate with a strong focus on Industrial Automation, Control Systems, and IoT-based engineering. Certified BNSP Level 6 – Industrial Automation, with hands-on experience in testing, debugging, and integrating monitoring systems within an oil & gas automation environment.

Recognized as a Faculty-Level Outstanding Graduate with a GPA of 3.66 and an Achievement Score of 84.70, supported by DIKTIRISTEK research funding and multiple national and international innovation awards. Known for fast learning, strong ownership, and the ability to deliver reliable, real-world engineering solutions. Ready to contribute immediately as a Junior Automation / Electrical Engineer.

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## WORK EXPERIENCE

PT Hanindo Citra — Cilandak, South Jakarta

Automation System Intern | Sep 2024 – Dec 2024

PT Hanindo Citra is part of Hanindo Group, specializing in oil & gas automation, mechanical–electrical installation, and instrumentation services.

- Conducted debugging, validation, and reliability testing on Automatic Tank Gauging monitoring systems, helping reduce field-related system errors.
  - Developed a desktop-based network connectivity monitoring tool to support internal engineering diagnostics and operations.
  - Assisted in integrating ATG data into IoT platforms using ESP32, improving data communication flow and system stability.
  - Supported field technicians during system testing, device calibration, wiring inspection, and preventive maintenance activities.
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## EDUCATION

Universitas Mercu Buana — West Jakarta

Bachelor of Electrical Engineering

GPA: 3.66 / 4.00 | 2021 – 2025

Honors & Achievements

- Faculty-Level Outstanding Graduate
- DIKTIRISTEK Research Grant Recipient – Solar-Powered Unmanned Surface Vehicle, 2025
- Gold Medal – Smart Irrigation System, National Innovation Week, 2025
- Gold Medal – Unmanned Surface Vehicle, National Innovation Week, 2025
- Silver Medal – *CuacaHub* Weather Monitoring System, National Innovation Week, 2025

- Bronze Medal – MEFRIA Face Recognition Device, National Innovation Week, 2025
  - 1st Runner-Up – Smart Carbon Footprint Tracker, ASEAN Future Innovators Challenge, 2025
  - Bronze Medal – Smart Irrigation System, World Invention & Technology Expo, 2024
  - Best Project Award – Unmanned Surface Vehicle, International Short Course, 2024
  - Gold Medal – 150kV CT Secondary Box IoT Controller, National Innovation Week, 2024
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## ORGANIZATIONAL EXPERIENCE

ASEAN Student Mobility Programme — Kuala Lumpur, Malaysia

Participant

- Participated in workshops on sustainability, inclusivity, and ASEAN collaboration, strengthening cross-cultural and professional communication.

International Short Course — Jakarta & Bali

Participant

- Worked in multinational engineering teams and received the Best Project Award.

Community Service Projects — PKBM Wiyata Utama & RPTRA

Committee Member

- Supported installation of solar charging points and automated lockers, coordinating technical and logistical activities.

Electrical Engineering Student Association — Universitas Mercu Buana

Communication & Information Division Staff

- Managed digital communication, event documentation, and technical content dissemination.
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## CERTIFICATION

BNSP Level 6 – Industrial Automation

- Industrial Electrical Systems
  - Automation & Instrumentation
  - System Troubleshooting
  - Industrial Safety
  - Technical Documentation
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## SKILLS

Technical Skills

- Industrial Automation & Control Systems
- IoT Systems & Embedded Systems
- Instrumentation & Sensor Integration
- Data Logging & Monitoring Systems
- System Debugging & Validation

## Tools & Software

- MATLAB
- Arduino IDE
- Visual Studio Code

## Soft Skills

- Teamwork & Collaboration
  - Analytical Problem Solving
  - Clear Technical Communication
  - Adaptability & High Responsibility
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## LANGUAGES

- Indonesian — Native
- English — Professional Working Proficiency