



RETNO TRISTYANINGSIH

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I am a D3 Electronics Engineering student at Politeknik Negeri Semarang with a GPA of 3.5. Able to work in teams and independently, disciplined, communicative, thorough, and fast learner. Proficient in Arduino IDE, Matlab, Proteus, and Excel. Interested in IoT technology, automation, and technical problem solving.

EXPERIENCE

Internship : Junior Engineering and RnD	2024 - 2025
Microthings – Bekasi	
<ul style="list-style-type: none">Assisted in the design and testing of a water leakage monitoring system based on sensors and indicator lights.Perform analysis and troubleshooting on electronic devices.Support the team in the development and implementation of panel-based systems.Testing sensor performance (whether sensitive, accurate, and stable).Perform calibration and documentation of test results.	
Event Section	2024
Volunteer Electro Charity Concert - POLINES	
<ul style="list-style-type: none">Develop Event RundownCoordination with Talent and PerformersEnsuring the time of each session is synchronized with the technical lighting, audio, and multimedia.Monitoring the Event on the D-Day	

EDUCATION

D3 – Electronic Engineering	2022 - Present
Politeknik Negeri Semarang	
Computer and Network Engineering	2019- 2022
SMK Negeri 4 Jakarta	

CERTIFICATION

Volunteer Certificate	2024
Industrial Automation Technician Certificate	2024
Microthings Certificate	2024 - 2025

PROJECT

Design of an Anti-theft Charity Box Security System Based on the Internet Of Things	2025
Design of a Sensor-Based Water Leakage Monitoring System and Indicator Lights	2024
Controlling Lamp With Telegram Bot	2024
Design of a Water Leak Detection Control Panel Using Flowmeters and Indicators	2024
Utilization of Sensors for River Water Levels and Rain Detection	2023
Automatic Handsanitizer	2022

ADVANTAGE

Hard-skill	Soft-skill	Language
Microsoft Office	Effective Communication	Indonesian
Arduino Ide	Teamwork	English
Proteus	Leadership	
NB Designer	Time Management	
CX Programmer	Problem Solving	
Matlab	Strong Work Ethic	
Fritzing	Perseverance	