



# GERY ALGHIFARI



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semarang

## ABOUT ME

I am a student of Electronics Engineering Technology at Politeknik Negeri Semarang with a strong vocational background in electrical power installation. My hands-on experience includes an internship focused on piping and HVAC (Heating, Ventilation, and Air Conditioning) systems, shaping my practical approach to engineering challenges.

I enjoy integrating hardware and software to create real-world solutions using platforms such as Arduino, ESP, Raspberry Pi, and STM microcontrollers. I am proficient in Python and C++, and experienced with tools like Arduino IDE, MATLAB, and LabVIEW. I am committed to safety, precision, and continuous learning, and eager to contribute to impactful engineering projects.

## EXPERIENCE

### • 2020

Holiday Villa Bintan

### INTERNSHIP

- Assisted in the maintenance and repair of air conditioning (AC) units, including routine servicing, troubleshooting, and component replacement. Supported piping installation and repairs, ensuring proper alignment and system functionality. Gained hands-on experience in HVAC operations

## EDUCATION

### • 2022-2026

Bachelor of Applied Science

### • 2019-2022

Vocational High School

### POLITEKNIK NEGERI SEMARANG

- Electronics Engineering Technology

### SMKN 1 BINTAN UTARA

- Electrical Power Engineering

## SKILLS

- Programming Languages: Python, C++
- Electrical Power Installation
- Electrical Circuit Reading & Assembly
- Embedded and Electronic Systems
- Software Tools: Arduino IDE, MATLAB, LabVIEW

## LANGUAGE

BAHASA INDONESIA  
(NATIVE)

ENGLISH  
(INTERMEDIATE)