

MOH. SYAIFUDIN

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Jl. Gubeng Kertajaya V. E No.15-B, RT.006/RW.03, Airlangga, Kec. Gubeng, Surabaya

Undergraduate Majoring in Instrumentation and Control Engineering Technology, Universitas Airlangga. Enthusiastic about exploring new ideas, adaptable in diverse environments, and well-connected through an extensive network. Proficient in problem solving and dedicated to continuous learning to drive meaningful changes in the field of instrumentation and control engineering. Interested and have a strong desire to develop skills, Oil and Gas Instrumentation, Inspection Oil and Gas, IoT, Hardware Engineering, Mining Instrumentation, Software Engineer, 3D Design, Telecommunication.

WORK EXPERIENCE

CV Kreasi Industri Nusantara - Surabaya, East Java

Mar 2025 - Jun 2025

Internship

- Electrical wiring in project Automatic X-Ray Buckle Table.
- Assembly the body of the tool Automatic X-Ray Buckle Table.
- Creating 3D design using Invertor 3D software.

Balai Standardisasi dan Pelayanan Jasa (BSPJI) Surabaya - Surabaya, East Java

Jan 2024 - Jan 2024

Internship

- Analyse the graphs of the electromagnetic compatibility test result of the conducted and radiated emission.
- Report the graphs of the electromagnetic compatibility test results of the conducted and radiated emission to the head of the EMC laboratory.
- Group the values obtained after testing household appliances into excel and then submit to the head of the Household Appliances laboratory.

EDUCATION

Airlangga University - Surabaya, East Java

Sep 2021 - Dec 2025

Bachelor of Applied Science in Instrumentation and Control Engineering Technology, GPA 3.39/4.00

- Making project Android-Based LPG Gas Leakage Detector using ESP32 and MQ-2 Sensor.

ACHIEVEMENTS

Gold Medalist in KIM-KI Class, Universitas Airlangga, Surabaya.

Sep 2025

LEADERSHIP ACTIVITIES

Airlangga Strike Team Robotics and Instrumentation (ASTRAI)

Feb 2023 - Jun 2024

- Surabaya, East Java

Head of ALEGRO Division

- Controlled multiple sensors and optimizing robot functionality.
- Making design circuit PCB, solder a PCB for SAR robot, coding SAR robot and wiring electric SAR robot.
- PCB soldering and wiring Skinolaser project components.
- Teaching SAR robot division ASTRAI members at ASTRAI Class sessions.

Student Association of Instrumentation and Control Engineering Technology

Jan 2023 - Jan 2024

- Surabaya, East Java

Secretary in Youth and Sports Department

- Record the agenda of activities of the Youth and Sports Department.
- Record the results of meetings of the Youth and Sports Department.
- Reporting activities to the head of the Youth and Sports Department.

Airlangga Innovation Technology Competition - Surabaya, East java

Dec 2023 - Dec 2023

Staff of Equipment Division

- Make a list of tools and materials needed for the Airlangga Innovation Technology Competition.
- Report the list of tools and materials to the head of the Airlangga Innovation Technology Competition Equipment division.
- Prepare tools and materials during Airlangga Innovation Technology Competition activities.

Community Engagement - Surabaya, East Java

Sep 2023 - Sep 2023

Staff of Equipment Division

- Make a list of tools and materials needed for the Community Engagement.
- Report the list of tools and materials to the head of the Community Engagement division.
- Prepare tools and materials during the Community Engagement activities.
- Giving lessons about robotics and demonstrations of the Line Follower robot to childrens of Jetis Village during Community Engagement activities.

CERTIFICATE

IoT Communication Models for Beginners

Okt 2025

MindLuster

Computer Networking Basics

Sep 2025

MindLuster

Excel Course Basic to Advanced

Sep 2025

MindLuster

Python Programming Beginner to Advance

Sep 2025

MindLuster

Intro to Digital Marketing

Sep 2025

RevoU

SKILLS, TOOLS, AND LANGUAGE

Soft Skills:

- Problem solving, time management, analysis skill, collaborative problem solving, teamwork, communication, critical thinking.

Hard Skills :

- Electrical engineering, electrical wiring, hardware engineering, mechanical engineering, programming language (C/C++, Python, HTML, CSS), internet of things (IoT), 3D design.

Tools :

- Virtual Studio Code, Microsoft Office, Microsoft Excel, Microsoft Word, Microsoft Power Point, EasyEDA, Eagle, AutoCAD, Arduino IDE.

Language :

- Indonesia, inggris.