Ahmad Zainul Arifin

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About Me

My name is Ahmad Zainul Arifin, a developer specializing in Robotics and the Internet of Things (IoT) with expertise in embedded systems and automation technology. I have an educational background in Electrical Engineering from State Polytechnic of Malang and am actively enhancing my skills in hardware and software technologies.

Education

2017 - 2020 | Senior High School 4 Malang | Science

In this department I have experience in the fields of science olympiad, astronomy, and mathematics. and I also served as the head of ROHIS TUGU Malang City in 2018.

2022 - now | State Polytechnic of Malang | Department Electrical Engineering

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Work Experience

2020 - 2022 | Staff | Shalimar De Boutique Hotel
Cooking Staff

2020 - 2022 | Freelancer | Freelancer.com
Embedded System Engineer

2022 - 2023 | Internship | PT. China State Construction
Quality Control and Maintenance Mechanic Electrical Team

2023 - 2024 | Freelancer | PT. Karya Indonesia
Internet of Things Developer

Skills

ROS Framework (Autonomus Navigation , EKF , Visual Servoing , Neural Network)
Buiding Wireless Sensor Network (IOT , WebServer and BLE)
Building Embedded System (ESP , ARDUINO and STM32)
Programming language C/C++ and Phyton
Mastring on Linux OS , Google Collab , Roboflow , Arduino IDE and VS Code

Project Experience

- Autonomus Wheel Robot Soccer
- Auto Path Planning Line Follower
- Artificial Neural Network with YOLOV8
- Soccer Robot with PS Controller

- Autonomus Thematic Robot Garbage Filter
- Transporter Robot with PS Controller
- Sumo Robot High Torque
- ESP32 Web Server

Organization Experience

2022 - 2024

Leader Software Riset and Development

2024 - 2025

Leader Team Polinema Robotic Comunity KRTMI Team

Licenses & Certifications

2024 July
Audience National Thematic Robot Contest Indonesia

2024 February
Best Design Transporter Robot Polines Robot Contest

2023 November
Audience Line Follower Java Robotic Contest

2023 June - 2026 June
NodeJS Backend Bootcamp

2023 May - 2016 May
Basic Javascript Programming

2023 May - 2016 May
Cloud Practitioner Essentials

2023 April
National Robot Contest Region Training

2022 November
Design Computational Thinking