MUHAMMAD HUSAINI ZUHDI

Address : Lamongan, East Java
Phone : 085-645-457-121
Email : husaini.zuhdi20@gmail.com
LinkedIn : https://www.linkedin.com/in/muhammad-husaini-zuhdi-5514b6198/
Website : https://husainizuhdi20.github.io/

SUMMARY

A graduated in Electrical Automation Engineering from the Institut Teknologi Sepuluh Nopember with GPA 3.62. I am passionate about digital transformation and automation technology, with expertise in integrating technologies for the Internet of Things (IoT), data analysis, machine learning, software development, and optimizing system efficiency to drive technological advancements. I have extensive experience in project-based work, gained through college projects, industrial internships, and professional work. I am known for my curiosity, creativity, analytical thinking, time management, and ability to learn quickly.

WORK EXPERIENCE

PT Imani Prima - Jakarta   **Dec 2023 - Present**
Electronic Data Analyst - Energy Bussiness Solution

- Support to client location for pre-installation of product
- Support engineer team in product installation at client
- Support sales and marketing team for product data trend analysis
- Process data in server database for trend analysis
- Monitoring product data in real time on IoT devices
- Providing business recommendations for data trends
- Develop software for team analysis needs
- Building machine learning models for data prediction and classification according to business flow
- Discussion with firmware and hardware divisions to solve problems

PT Parametrik Solusi Integrasi - Bandung, West Java   **Sep 2021 - Aug 2023**
RnD Engineer Internship - IoT & Digitalization Division

- Design and Implemented Internet of Things on Renewable Energy Microhydro for implemented in Kemuning village, Karanganyar
- Mobile apps development for data acquisition sensor from get API data logger (Raspberry pi) using flutter framework for implemented in Kemuning village, Karanganyar
- Development Smart Farming Greenhouse on Hydroponic Plants in Greenhouse Bandung
- ITS Final Project for Prototyping Industrial Internet of Things (IIoT) in Heavy Equipment and Fabrication in PT Parametrik Solusi Integrasi
- Software development as a gateway for sending data via the MQTT protocol using C++ and Qt Creator framework for implemented in PT Parametrik Solusi Integrasi
- Mobile apps development for QC Control process in electrical panel using flutter framework for implemented in PT EGA Tekelindo Prima
- Application Development of a web application for a job search platform at the Swedish company kemizares

PT ITS Tekno Sains - Surabaya, East Java   **Sep 2020 - Aug 2021**
Student Researcher - IoT Division

- Research and Development IoT of OEE Systems using PLC Siemens for Digitalization in Industrial Manufacturing - PT Universal Tekno Reksajaya, Balikpapan
- Electrical Wiring Network Configuration and Web Based Programming Dashboard Monitoring for OEE System
- Analyze production data for reports to clients

PT IIMAE - Surabaya, East Java   Sep 2019 - Aug 2020
Student Researcher - RnD Division
- Web Based Dashboard Monitoring Renewable Energy PLTS On Grid
- PLC programming for automatic galvalum cutting tool using PLC Misubishi
- Trainer Robotic and Electrical Automation for SMK Students
- Repair the wowwee robot and assemble some components

EDUCATION

Institut Teknologi Sepuluh Nopember - Surabaya, East Java   Aug 2019 - Sep 2023
Bachelor of Electrical Automation Engineering - 3.62/4.00
- Final Project : Design and Implementation of Total Productive Maintenance to Measure Production Effectiveness in Lathe Machine Using Overall Resource Effectiveness Method

ORGANIZATION

Research Laboratory (Cyber Physical Robotic & Industrial - Surabaya, East Java   Aug 2020 - Aug 2021
Automation Laboratory)
Coordinator
- Engage in engineering product research and development from development to implementation such as IoT, software development and electrical
- Collaborating with vocational schools for training on industrial automation

ADDITIONAL INFORMATION

- **Technical Skills:** Microcontroller, Embedded System, Internet of Things, Eagle, Software development(Python, SQL, Machine Learning, Computer Vision, PHP, C/C++, MySQL, PostgreSQL), Cloud Computing (Digital Ocean), Microsoft Office, Data Pre-processing, Data Processing, Data Modelling, Data Visualization.
- **Languages:** Indonesian (Native), English (Basic).
- **Achievements (2023):** 2 years industrial internship award certificate
- **Achievements (2021):** Appreciation for the success of working on the OEE System Industrial digitalization project in Balikpapan
- **Achievements (2020):** Commite Indonesian Robotic Olimpiade, Robokids