FIKRI HAIKAL

About Me

I am a dedicated IoT Engineer with a strong background in computer and information technology, holding a Diploma in Computer Engineering (D3) and a Bachelor's Degree in Informatics Engineering (D4).

I specialize in IoT development, particularly with ESP32 and Raspberry Pi devices. Additionally, I have experience in robotics and possess strong skills in Linux.

With extensive expertise in Python development, I also excel in image processing. My goal is to create innovative and efficient technology solutions that drive progress and automation.

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EDUCATION

Politeknik Negeri Jember
Bachelor of D3 - Computer Engineering
2018-2021

Politeknik Negeri Jember
Bachelor of D4 - Informatic Engineering
2022- 2024

EXPERTISE

- Python
- IOT
- Linux
- Flutter
- Laravel

EXPERIENCE

Robotics Team
Politeknik Negeri Jember
2029 - 2021

Served as a programmer in the Abu Robocon division of the Robotics at Politeknik Negeri Jember,

Teacher Extracurricular Robotics
SMP Maria Fatima
2019

Teaching a student about basic electronics and basic programming especially Microcontroller Arduino.

Freelancer
Jember, Jawa Timur
2021 - 2024

- Developed IoT monitoring systems.
- Built mobile apps using Flutter.
- Implemented image processing solutions.
- Managed development with Laravel.

IT Field Support
Jun 2023 - Nov 2024

I am an IT support at IKC, a vendor for the Jember Regional Revenue Office (Bapenda Jember), tasked with monitoring local taxes for taxpayers

PROJECT

Mobile Apps
- My Alquran
- Monitoring weight of plant on farmbot

IOT
- Smart Monitoring Kandang Walet
- Smart Monitoring Greenhouse
- Vehicle Classification with Yolov8
- Farming robot

Robotic
- Line Tracking with Image Proccessing
- Arrow Robot Abu Robocon
- Implementation Invers Kinematic on Robot Three Wheel Holonomic with trajectory tracking

Website
- Smartship Realtime Monitoring
- System Monitoring Closed House