

FIKRI HAIKAL



About Me

I am a passionate IoT Engineer and Python Developer with a strong background in computer and information technology. I hold a Diploma in Computer Engineering (D3) and a Bachelor's Degree in Informatics Engineering (D4).

With expertise in IoT development, I specialize in working with ESP32 and Raspberry Pi, as well as image processing. In addition, I have experience in C# development, mobile development using Flutter, and web development with Laravel. 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

- Flutter
- Git
- Linux
- IOT
- Laravel
- C++
- C#

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 Processing
- Arrow Robot Abu Robocon
- Implementation Inverse Kinematic on Robot Three Wheel Holonomic with trajectory tracking

Website

- Smartship Realtime Monitoring
- System Monitoring Closed House