ANH DUC NGUYEN
IOT ENGINEER

CONTACT

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✉ anhd cad   gmai com

📍 Ng Hanh Son Da Nang

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SOFT SKILLS

- Adap abi i
- Time Managemen
- Prob em so ing
- Effec i e Comm nica ion
- Cri ica Thinking

LANGUAGES

- Eng ish

HARD SKILLS

- Programming P hon C C Ja aScrip
- Web and Mobi e HTML CSS Reac Na i e F er
- IoT Robo ics Raspberr Pi Ard ino ESP LoRa ROS PX MAVLink
- ML Image Processing OpenCV TensorF o
- Too s Gi Lin

PROFILE

I am ooking for ard o app ing m e per ise in IoT and Robo ics o de e op a oma ion and in e igen echno ogies ha so e rea or d cha enges I am commi ed o con in o s earning and impro ing m ski s in programming s s em design and emerging echno ogies o effec i e con rib e o he organi a ion and comm ni

PROJECTS

Smart System   2024 - PRESENT
IoT Fire Monitoring and Alert System

- Description: Developed a system to monitor temperature, humidity, and detect fires, with alerts streamed to a user.
- Technologies: Python, Raspberry Pi, LoRa, Machine Learning, Image Processing.
- Role: Member. Managed device communication and Built the UI to display data, process alerts
- Achievements: Participated in Inte and VKU Startup competitions.

Simulation   2024 - PRESENT
Drone Simulation for Workplace Safety

- Description: Designed a drone simulation to monitor worker compliance with safety gear using autonomous scheduling and MAVLink protocols.
- Technologies: PX4, ROS, Gazebo, MAVLink.
- Role: Team Leader. Managed the project and developed the simulation system.

Smart System   2024 - PRESENT
Smart Water Meter and Monitoring System

- Description: Created a camera-based system to read water meters and monitor home environments.
- Technologies: Raspberry Pi, mobile app, centralized data processing.
- Role: Team Leader. Built IoT home functions and mobile app for remote control and monitoring.

EDUCATION

IoT & Robotics   2021 - PRESENT
Vietnam-Korea University of Information and Communication Technology
GPA: 3.14 / 4.0