Nguyen Quoc Anh
Software engineer

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Ⓕ Facebook

👤 PROFILE

I am a student at FPT University Can Tho, Vietnam, specializing in lightweight deep-learning models for lightweight system. My research spans machine learning, deep learning, autonomous robotics, and image processing.

🧠 SKILLS

- Java, Python, C/C++, JavaScript, HTML/CSS
- Ros2, OpenCV, TensorFlow, PyTorch, MySQL, SQL Server, ReactJS, JSP, Java Servlet, JQuery, Bootstrap, Docker.
- Raspberrypi, Jetson TX2, Arduino

🎓 EDUCATION

FPT University 🔗
Sep 2021 – Sep 2025 | Cần Thơ, Vietnam
Average GPA of 4 semesters: 8.5

🏅 AWARDS

Consolation Prize at FPT EDU DIGITAL RACE 2023 🔗

Consolation Prize at Microsoft Office Specialist competition organized by Viettel in the Mekong Delta region 🔗

🌐 LANGUAGES

- English
- Vietnamese

📁 PROJECTS

"FFOOD WEBSITE FOR ORDER FOOD USING DEEP LEARNING" 🔗
Sep 2023 – Nov 2023
Using Java, Python, Docker, and SQL servers we developed a website for ordering food that has some interesting features like searching food by image (camera or image file), logging by Google, changing languages, payment by VNPAY, ...

"JETSON TX2-BASED AUTONOMOUS VEHICLE FOR FPT DIGITAL CAR 2023 CONTEST" 🔗
Jun 2023 – Sep 2023
Developing an autonomous vehicle using a Jetson TX2 board. Utilizing a PID controller combined with End-to-End steering for lane-keeping based on Enet road segmentation, and implementing lightweight models for detecting traffic signs and obstacles.

"ELDER CARE ROBOT FOR RESFES 2023 CONTEST" 🔗
Apr 2023 – Aug 2023
Developed robot system with Blazeface, and Mobilenet V3 for emotion recognition, music playback, and text-to-speech. User-friendly ROS2 interface for seamless control, SLAM mapping, precise movement, and advanced 2D Lidar-based object avoidance on Raspberry Pi 4B.

"WEBSITE FOR FINDING RENTAL EASILY IN VIETNAM" 🔗
Jun 2023 – Jun 2023
Using Java, Javascript, JSP servlet, and Mysql to build a website finding boarding houses in Vietnam. The user posts the article and then the people need to find a boarding house that can have the details and contact the landlord.

"RASPBERRY PI-BASED SELF-DRIVING DONKEY CAR" 🔗
Sep 2022 – Dec 2022
Applying Python deep learning techniques to enable a donkey car to autonomously navigate a track, utilizing Convolutional Neural Networks (CNNs) to predict steering angles based on image data.

📖 PUBLICATIONS

Robust Autonomous Driving Control using Auto-Encoder and End-to-End Deep Learning under Rainy Conditions, Proceedings of the 2023 8th International Conference on Intelligent Information Technology 🔗

Improving Autonomous Vehicle Performance using an Image Deraining and a Deep Learning-Based Network for Lane Following, Journal of Advances in Information Technology 🔗

Deep Learning-Based Lane-Keeping Assist System for Self-Driving Cars Using Transfer Learning and Fine Tuning, Journal of Advances in Information Technology

🎤 CONFERENCES

Attend the 2023 8th International Conference on Intelligent Information Technology