Nguyễn Anh Kiệt

As a recent graduate with a solid foundation in my field, I am excited to apply my skills and knowledge in a dynamic, growth-driven environment. My goal is to make meaningful contributions to your company by utilizing my expertise on impactful projects, while also embracing continuous learning and professional development within the organization.

CONTACT

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Ho Chi Minh city

EDUCATION

2020 - 2024

University of Information Technology

- Bachelor of Computer Engineering
- GPA: 8.28/10
- Graduated with Good
- Academic Encouragement Scholarship - 2022

CERTIFICATE

- Toeic - 575/990
- Toeic SW - 250/400

SKILLS

- **Programming Languages**: Python, C/C++, Assembly, TypeScript, JavaScript, Verilog
- **Frameworks & Libraries**: NestJS, Next.js, ReactJS, OpenCV, HTML, CSS
- **Databases**: SQL, MongoDB
- **Embedded Systems**: Arduino Uno, ESP32, Raspberry Pi
- **Source control**: GitHub

WORK EXPERIENCE

Fullstack Developer

09/ 2024 - 07/2025

Nexle Corporation - Full time

Ho Chi Minh City, Vietnam - On site

- Developed and maintained systems using NodeJS (ExpressJS, NestJS), RESTful APIs, and TypeScript, ensuring performance and scalability.
- Built web applications using ReactJS and NextJS, focusing on user experience optimization and reusable component design.
- Experienced with container-based deployment using Docker, worked with Docker images, Docker-compose.
- Participated in designing and working with MySQL and MongoDB databases, including schema design and query optimization.
- Used Git for source code management

Diabetic Retinopathy Detection - Embedded Intern

03/2024 - 07/2024

95IDEAL, Ho Chi Minh City

Description: Contributed to the development of multiple startup projects, focusing on using Computer Vision to build medical support products

Project: Diabetic Retinopathy Detection

Developed a product that identifies stages of Diabetic Retinopathy based on retinal fundus images.

My Responsibilities:

- Collaborate with a team to develop a product that identifies stages of Diabetic Retinopathy disease through prominent features on retinal fundus images.
- Research the connection between a retinal fundus camera (Visucam) and Jetson Nano to facilitate data exchange.
- Used Git for source code management.

PROJECTS

Web site manage Staff

02/2025 - 07/2025

Description: Designing a website interface to assist managers in tracking the employee list, enabling them to manage and assign tasks to each employee efficiently

Technology:

- Backend: NestJS.
- Frontend: NextJS, ReactJS
- Database: MongoDB

My responsibilities:

- Create all API endpoint using NestJS
- Create database by using MongoDB
- Developed frontend components with UI frameworks in NextJS.
- Implement authentication and permissions to ensure that only authorized users can access.
- Design a chart to visualize the number of staff assigned to each project and skill.

Smart Parking System - Course Project

11/2023 - 03/2024

Team size: 04
Report and demo: Click here
Language: Python
Processor: Raspberry Pi4, ESP32
Function: Detect license plates when cars are entering or exiting.
Description: When a vehicle enters, the sensor activates the RFID. After the user swipes the card, the camera captures the license plate and sends the data to the system. The system stores the entering license plate information for comparison with the exiting license plate.

My responsibilities:

- Lead of the team throughout the project lifecycle.
- Initiated the project concept and delegated specific tasks to team members based on their strengths.
- Developed a license plate detection module using OpenCV.
- Implemented and deployed embedded code on ESP32 microcontrollers and Raspberry Pi boards..

Check-in using QR code in event - Final Year Thesis

03/2024 - 07/2024

Team size: 01
Report and demo: Click here
Source code in github: Click here
Language: Python
Processor: Raspberry Pi4
Function: Monitor people entering and exiting large events.
Description: To enter, the customer needs to press a button to open the door. If the customer has already scanned the QR code, the door will open. If not, the system will prompt the customer to scan the code. For subsequent entries or exits, the customer will not need to scan the QR code again.