DUONG QUOC HUY

B A C K E N D   D E V E L O P E R

CONTACT

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EDUCATION

🎓 **Network Administration**
Hung Vuong Technology Vocational School

2019 - 2022

🎓 **BACHELOR OF SOFTWARE ENGINEERING**
Nguyen Tat Thanh Institute of International Education (NIIE)

2022 - 2026 (Expected)

Current GPA: 3.38

SKILLS

- Programming Languages: Python, C++, SQL
- IoT / Embedded: ESP32, RFID, I2C/SPI
- Frameworks: Django, ASP.NET MVC
- Databases: MariaDB, MySQL and PostgreSQL
- Cloud: AWS EC2
- Tools: Git, Github and RESTFUL API

SUMMARY

Software Engineering student with hands-on experience in full-stack IoT development, cloud deployment, and web application design. Skilled in integrating embedded systems with backend services to build scalable, real-world solutions.

PROJECTS

IoT Attendance Tracking System (RFID)

Team Leader

- Designed and implemented an RFID-based attendance system using ESP32 and RC522
- Integrated RTC and I2C LCD display for real-time device feedback
- Developed RESTful APIs with Django for device-to-server communication
- Deployed backend on AWS EC2 with PostgreSQL database hosted on Aiven
- Enabled real-time WiFi data transmission for automated attendance logging
- Technologies: ESP32, C/C++, Python, Django, PostgreSQL, AWS EC2, REST API

E-commerce Platform

Team Leader

- Developed a full-stack e-commerce platform with user authentication and role-based access
- Implemented product catalog, shopping cart, and order processing features
- Designed and managed relational database using Django ORM
- Built RESTful APIs to handle backend logic and data flow
- Created responsive frontend interfaces using HTML and CSS
- Technologies: Python, Django, PostgreSQL, HTML, CSS, REST API