

Do The Hoa

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Summary

Enthusiastic IT student with hands-on experience in web development and database management. Built various applications through personal projects. Highly motivated to learn and grow, seeking an opportunity to develop skills and contribute effectively in a professional environment.

Education

(2020-2025): Studying Information Technology at Industrial University of Ho Chi Minh City

Projects

IoT Health Monitoring for the Elderly

- Built an IoT health app using Node.js, Express, MongoDB (Mongoose), and MVC pattern
- Designed the UI with jQuery and Bootstrap 5; implemented JWT auth and admin dashboard
- Integrated WebSocket to receive real-time health data (HR, BP, temp, SpO₂) from ESP32
- Enabled caregiver/admin monitoring via a secure web interface

GitHub: <https://github.com/dohoa00248/IoT-Health-Monitoring-for-the-Elderly>

Portfolio Website

- Built a full-stack portfolio website using Node.js, Express, EJS, and MongoDB (Mongoose)
- Implemented session-based authentication, role-based access control (admin/user), and full CRUD operations
- Developed modules for personal project management and a personal dictionary feature for daily vocabulary learning
- Designed a responsive UI with Bootstrap 5 and deployed on Render

GitHub: <https://github.com/dohoa00248/portfolio>

AES Text Encryption Tool

- Built a Java Swing app for AES text encryption/decryption
- Integrated open-source AES logic and designed the GUI and flow
- Focused on user interaction without using file I/O

GitHub: <https://github.com/dohoa00248/testAES>

Skills

Programming: Java, JavaScript, Python, HTML, CSS, C, PHP

Backend: Node.js, Express.js, JWT, Session/Cookie Auth, EJS, WebSocket, JDBC, SOAP Web Service

Frontend: jQuery, Bootstrap

Databases: MySQL, SQL Server, MongoDB (Atlas)

ORM/ODM: Sequelize, Mongoose

Architecture: OOP, MVC, RESTful APIs

Data Analysis: Jupyter Notebook, NumPy, Pandas, Matplotlib, Scikit-learn

Tools & Others: GitHub, Postman, Docker, CI/CD

Interests: Soccer, Video Games, Music