

# KHOA NGUYEN TRONG DANG

 P Ho Chi Minh city, Viet Nam | \$\mathbb{L}\$ (+84) 938-928-064 | \$\mathbb{L}\$ khoa15503.work@gmail.com | \$\mathbb{m}\$ /in/ntd-khoa | \$\mathbb{M}\$ Khoa15.github.io | \$\mathbb{Q}\$ github.com/Khoa15

### **CAREER OBJECTIVE**

A highly motivated IT person with a solid foundation in software development and a strong interest in Artificial intelligence. Eager to contribute to a dynamic technological environment by applying problem-solving skills and a quick learning ability to build innovative, robust solutions, driving the development of impactful tech products.

### **EDUCATION**

## Ho Chi Minh City University of Industry and Trade

08/2021 - 04/2025

Bachelor of Information Technology | GPA: 3.23/4

### **SKILLS**

Programming: Java, Python, Javascript, SQL

Frameworks & Library: Angular, Spring boot, ReactJs, .NET, Pytorch, Flutter

Databases: MySQL, Oracle, MongoDB Tools & Platforms: Docker, Git, Linux

Languages: Vietnamese (Native) | English: TOEIC(LR) 720, IELTS 6.0

## **EXPERIENCE**

**Backend Intern** 09/2024 - 12/2024

EdunetJSC

- Researching technical documentation from the open-source Frigate codebase, implement the detection module on the application.
- Studying and adjusting configurations resulted in a 2% improvement object detection accuracy in the production environment.
- Researching IoT documentation, assist in maintaining water quality monitoring stations which are IoT devices.

### AWARDS AND HONORS

Participating in Euréka 2023. 12/2023

Encouragement Award for "Emergent products and topics in the information technology field", HUIT. 7/2023

First prize in "Young coder's Competition: Finding the Best and Brightest", HUIT. 6/2023

Third prize in "Science Fair". 11/2020

## **PROJECTS**

## 2HKinformatics | Side Project

Team size: 1

G github.com/Khoa15/2hkinformatics.git

Demo: https://2hkinformatics.free.nf

- · Designed and developed complete management functionalities for administrators and user-centric business logic, including features for sales, product management, etc.
- Configured and maintained the website to ensure optimal performance.

HTML, CSS & Javascript MySQL Bootstrap jQuery Exci | Leader Team size: 3

#### github.com/Khoa15/exci.git

• A simple app utilized Ollama to support users learning english. Using spaced repetition for personalized learning, create your own vocabulary collections. Search and save vocabulary through API dictionary.

- Prompting Ollama models to enhance vocabulary learning experience. One for AI chatbot, one for vocabulary search and save. Enhancing the user experience with a Flutter application.
- Developed a backend using ASP .NET to manage user data, vocabulary collections. Using Ollama system to handle AI chatbot and vocabulary search. Statistics and report in winform .NET application for admin.



## **Note-Taking | Leader**

github.com/Khoa15/dury.git

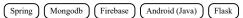
· Developed a Spring Boot backend and REST API to manage notes, categories, and secure user authentication with full CRUD functionality.

Team size: 4

Team size: 2

Team size: 2

- Integrated a Flask microservice for Optical Character Recognition (OCR), converting images to text using the Tesseract library.
- Designed and enhanced the Android application's UI to provide an intuitive experience for adding, updating, and deleting notes and categories.



## **Book management | Leader**

Q github.com/Khoa15/huit-dot-net-assignment.git

- Responsible for database design and business analysis for document management in the library.
- Designed and developed the interface for document and folder management. Implemented business logic and program flow.
- Ensured the program functioned correctly according to business requirements.



## Mini game SQL Injection | Leader

github.com/Khoa15/mini-game-sql-injection.git

• Designed and developed a game that helps us understand SQL injection in a database course. It supports multiplayer using WebSockets.

HTML, CSS & Javascript | Bootstrap | Websocket | Expressjs | SQL Server