

# Duong Nguyen

 duonguwu |  duongkaiba |  duongnguyen.onrender.com  
 duongnguyen4823@gmail.com |  032 7879 401

## SUMMARY

---

I am an enthusiastic Information Systems student with a strong passion for cutting-edge technology, particularly Artificial Intelligence. Proficient in Java, Python, PHP, and ReactJS, I also have a solid foundation in data-related fields, including data analysis, data mining, and database management. Furthermore, I'm well-versed in data warehousing concepts and have implemented solutions for efficient storage and management of structured data. My profound interest in technology extends into data-related fields, particularly computer vision, where I've gained experience in processing images. I specialize in object detection and recognition, primarily utilizing YOLO series. This positions me well to contribute to projects bridging Information Systems and Data Science.

## EDUCATION

---

University of Information Technology - VNUHCM  
Bachelor of Information System

2021 - 2025  
GPA: 8.24/10

## SKILLS

---

Frontend	HTML, CSS, TailwindCSS, ReactJS, ReactNative
Backend	Flask, Laravel, Springboot
Database	MySQL, SQLServer, Oracle, RiakKV, MongoDB Atlas
Computer Vision	YOLO Series, Faster RCNN, ResNET, OpenCV

## PROJECTS

---

### Jewelry Detection App

07/2023 - 01/2024

*Research Project Leader (2-member)*

*Fullstack Developer - YOLOv8, Flask, ReactNative*

The application is capable of automatically recognizing and counting jewelry, aiming to save time during end-of-day inventory checks. **About project:**

- Researched and studied various Computer Vision models such as YOLOv8, YOLO NAS, and CNN. Conducted comparative analysis of single-stage and two-stage computer vision algorithms.
- Labeled collected jewelry dataset and trained a recognition model.
- Successfully developed a high-accuracy jewelry recognition model.
- Built a mobile application using React Native and Flask technologies, capable of autonomously recognizing and inventorying jewelry.

**Source code:** [DetectionAppPNJ](#)

*The project has utilized the following key technologies:* **Flask, React Native, Postgresql, YOLOv8**

## Job Analysis Website (UEL)

08/03/2024 - 15/03/2024

### **Backend Developer (6-member) - Flask**

The website can assess your suitability for your profession through a test, thereby suggesting courses to help you improve and enhance your skills for the job.

#### **About tasks completed in the project:**

- Processing to provide suitable skills for the job and field of work.
- Algorithm processing using Flask, programming input and output for the algorithm.
- Coding the function to suggest courses depending on the field, industry, and job that the user has chosen.
- Backend API.

**Link product:** [The Navigator](#)

*The project has utilized the following key technologies:* **Flask, ReactJS**

## MATVIET Fashion Eyewear Website

Semester 1 - Year 3

### **Fullstack Developer - Team Leader (6-member) - Laravel, ReactJS**

This website allows users to browse and purchase fashionable eyewear. Administrators can manage their products, invoices, and customers efficiently.

#### **About tasks completed in the project:**

- Designing website interface and graphics.
- Designing Use Case diagrams.
- Designing the database schema.
- Frontend development for website interface.
- Developing Backend APIs.
- Connecting MySQL database.
- Backend programming for functionalities: AdminPage, CRUD operations, Registration, Login, Product display, Shopping cart, Payment, Invoice generation, and other features.
- Integrating VNPay and Momo payment gateways.

**Source code:** [Website MATVIET](#)

*The project has utilized the following key technologies:* **Laravel, ReactJS, MySQL, TailwinCSS**

## ACTIVITIES

---

### **Board Member at DucPhoStudentGroup**

2021 - Present

Participating in the management and organization of activities and events for students from DPSG - Quang Ngai.

**Achievements:** Outstanding Member for the term 2022 - 2023

### **Junior Proctor at IIG VietNam**

2021 - 2022

Facilitating the installation of examination support software for certification exams such as TOEIC, MOS, etc., conducted by the Educational Organization IIG Vietnam, within secondary schools, high schools, colleges, and universities in Ho Chi Minh City. Additionally, participating in the invigilation of computer-based examinations conducted by IIG.