

EXPERIENCE

AI Engineer Intern

HCM

AIVISION

May 2024 – August 2024

- Developed a YOLO model to detect supermarket products.
- Implemented an action recognition system using the SlowFast model and YOLO.
- Built a multi-camera view people detection model using YOLO and Omni-Scale re-identification.
- Integrated payment methods into the application by developing a secure and scalable API using FastAPI.

EDUCATION

University of Information Technology

HCM

Bachelor of Computer Science; GPA: 7.91/10

PROJECTS

Supermarket Product Detection

AIVISION

- Developed a YOLO model to detect supermarket products, improving inventory management and checkout processes.
- Technologies: YOLO, Pytorch, OpenCV.

Action Recognition System

AIVISION

- Implemented an action recognition system using the SlowFast model and YOLO to enhance security and activity monitoring.
- Technologies: OpenMMLab, SlowFast, YOLO, Pytorch, OpenCV.

Multi-Camera People Detection

AIVISION

- Built a multi-camera view people detection model using YOLO and Omni-Scale re-identification, enabling robust tracking across different camera angles.
- Technologies: YOLO, Omni-Scale Re-identification, Pytorch, OpenCV.

Automatic License Plate Recognition ALPR

UIT

- *Code Repository*
- ALPR system designed to identify various vehicles and their corresponding license plates
- Using YOLOv8 to detect vehicles, WPOD-NET to detect license plate and PaddleOCR to extract data from the license plates
- Technologies YOLOv8, WPOD-NET, PaddleOCR, Pytorch, OpenCV

Food ingredients detection

UIT

- *Code Repository*
- Developed a computer vision system using YOLOv8 to identify and classify 13 common food ingredients
- Re-trained a YOLOv8 object detection model for the specific task of identifying and classifying 13 food ingredients
- Technologies YOLOv8, OpenCV, Flask, Pytorch

SKILLS

Languages Python, C, C++, Bash

Frameworks and Libraries PyTorch, TensorFlow, Keras, OpenCV, PaddleOCR, NumPy, scikit-learn, FastAPI, FlaskAPI

Tools and Technologies Docker, PostgreSQL, Kafka, Spark, Linux/Ubuntu, Git, Github

Machine Learning K-means, k-NN, SVM, ResNet, VGG, MobileNet, CNN

CERTIFICATIONS

IELTS: 6.0

IBM DevOps and Software Engineering (*coursea*)

DeepLearning.AI Machine Learning Engineering for Production (MLOps) Specialization (*coursea*)

MOS WORD

MOS EXCEL