NGUYEN NHAT THUONG

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Education

University of Information Technology (VNUHCM — UIT)   Oct 2020 – March 2025 (Expected)

Specialized: Information System (Advanced program) – GPA: 3.5/4

Scholarships: Encouraging Study (2020, 2021, 2023), OEP Partial (2022)

AI Viet Nam Course (AIO2024)   Feb 2024 – May 2025 (Expected)

Specialized: Computer vision, Natural language processing

Experience

Data science (Metamind Course)   Feb 2024 – Augst 2024

Teaching Assistant

- Teaching the basics of machine learning and deep learning to a course with 81 members.
- Project advisor for learning modules.

Projects

Glowypa – Skincare with AI | Deep learning, RAG, LLMs, YOLOv8, SAHI, Object Detection, Reactjs, Canvas, FastAPI, MongoDB

> **Demo:** glowypa.com
>
> **Github:** https://github.com/ngnhthuong/Acne-detection-and-treatment-recommendations.git

- **Project Objective:** Created an AI system that can identify and categorize different types of acne and provide tailored treatment suggestions.
- **Technique used:** Utilized advanced deep learning and object detection methods like YOLOv8 and YOLOv8 with Slicing Aided Hyper Inference (SAHI) to accurately detect acne. Employed Retrieval-Augmented Generation (RAG) with Gemini to offer personalized advice on acne treatment, helping users improve their skincare routines.

Heineken Beer Detection (competition Anglehack) | Deep learning, GenAI, YOLOv10, Object Detection

> **Github:** https://github.com/ngnhthuong/AIO-TNTH-Heineken-Beer-Detection.git

- **Project Objective:** Developed an AI chatbot designed to count the number of beer cases and cans and understand user emotions. It organizes this information into an Excel file for easy access.
- **Technique used:** Employed the YOLOv10 model to recognize objects like beer crates and people. Enhanced the chatbot's responses by using large language models (LLMs) and specific prompts to make the answers more accurate and helpful.

Competition

Angelhack - HACKHCMC | Position leader, My team ranked 55rd out of 565

Technical and soft skills

Programming Languages: Python, Java, C++, JavaScript, MySQL, MongoDB.

Development Frameworks: Pytorch, FastAPI, Reactjs, Nodejs.

Soft skill: Ability to communicate and explain problems, presentation, writing reports.

Languages: English (B1).