Huy Hoang

AI Engineer, Data Engineer

0903 517 448
ha.huy.hoang.tk@gmail.com
Di An City, Binh Duong Province, Vietnam
l1af.vercel.app
l1af2027
l1aF-2027

Introduction

I am a final-year Artificial Intelligence student at VNU-HCM University of Information Technology with a strong passion for Data Science and Machine Learning. I have hands-on experience in Multimodal Learning, Deep Learning, and NLP through academic projects and competitions. I enjoy building real-world AI applications and continually expanding my technical skills through open-source work and research.

Education

BS **VNU-HCM University of Information Technology**, Artificial Intelligence — Sept 2022 – now

- **GPA:** 9.06/10.0 (Academic Transcript)
- **Coursework:** Machine Learning with Python, Advanced Artificial Intelligence, Deep Learning and Applications

Certifications

IELTS Academic — IELTS Test Report Form

- Overall: 7.0 (Listening: 7.0, Reading: 7.5, Writing: 6.5, Speaking:6.5)

NVIDIA Workshop — Applications of AI for Anomaly Detection

- Applied both supervised and unsupervised learning methods (XGBoost, autoencoders, and GANs) to identify network intrusions and anomalies in large datasets.

Projects

Multimodal Sarcasm Detection on Vietnamese Social Media Texts — github.com/l1aF-2027/UIT-Data-Science-Challenge-2024

- DSC-UIT 2024 Competition – **2nd Prize Winner**
- Built a multimodal system combining caption, image, and OCR-extracted text for sarcasm detection. Developed an interactive web demo using Streamlit, simulating auto-classification of community posts.
- Tools Used: Python, Keras, OCR, Transformers, Streamlit

SpecAugment with NeMo on Vietnamese and English — github.com/l1aF-2027/SpecAugment-with-NeMo-on-Vietnamese-and-English

- Applied SpecAugment (time warping, frequency masking, time masking) to improve speech recognition performance when fine-tuning QuartzNet and Hybrid RNN-T models on Vietnamese and English datasets using NVIDIA NeMo.
- Tools Used: Python, PyTorch, NVIDIA NeMo

UIT Admissions Chatbot — github.com/l1aF-2027/UIT-Admissions-Chatbot

- Built a web-based chatbot using NLP to answer UIT admissions FAQs, combining rule-based and intent-based models.
- Tools Used: Python, FastAPI, React, Next.js, TailwindCSS, Transformers

Technologies

Languages: Python, TypeScript, SQL, CSS, HTML

Frameworks & Tools: PyTorch, Keras, FastAPI, Next.js, Tailwind CSS