



Huy Hoang

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in [l1af2027](#)

🔗 [l1aF-2027](#)

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

- 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 Sacarsm 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
- Drought Prediction** github.com/l1aF-2027/Drought-Prediction
- Built an interactive web app for visualizing and forecasting drought conditions using geospatial and climate data. Integrated machine learning models with FastAPI backend and Next.js frontend..
 - Tools Used: FastAPI, PyTorch, TailwindCSS, Next.js
- 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