



Huy Hoang

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in [l1af2027](#)

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Introduction

As an aspiring AI Engineer, I am deeply passionate about optimizing and deploying machine learning models to solve real-world problems. I am eager to apply my skills to create impactful AI solutions, contribute to innovative projects, and continuously learn in a dynamic and challenging environment.

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
- Market Basket** github.com/l1aF-2027/Market-Basket
- Developed an e-commerce demo website that applies the Apriori algorithm to suggest products frequently bought together. Built a responsive web application using Next.js and Tailwind CSS, featuring an intuitive user interface.
 - Tools Used: Python, Next.js, Tailwind CSS, PostgreSQL

Technologies

Languages: Python, TypeScript, SQL, CSS, HTML

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