HOANG HUY VO

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GitHub — LinkedIn — Facebook — edithh81.github.io

SUMMARY

I am a Computer Science (Honors Program) student at Ho Chi Minh City University of Technology, Vietnam National University, with a strong interest in Artificial Intelligence, particularly in Computer Vision, Natural Language Processing, and Recommendation Systems.

EDUCATION

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY - VNU   Ho Chi Minh City, Vietnam
Bachelor of Computer Science (Honors Program). GPA: 3.6/4.0   *2022 - 2026*
Scholarship for Enterprise Connection at Vietnam National University, Ho Chi Minh City   *Feb 2025*
Relevant Coursework: Data Structure and Algorithm, Machine Learning, Data Mining, Natural Language Processing.

SKILLS

- **Language**: English(fluent), Vietnamese(native)
- **Technical Skills**
  - **Programming**: Python, C/C++, R.
  - **AI/ML**: PyTorch, Scikit-learn, transformers, OpenCV.
  - **Misc & OS**: Docker, LaTeX, Markdown, Linux, macOS, Windows.

PROJECTS

Sentiment Analysis   *March 2025*

- **Description**
  - Built a production-ready Vietnamese sentiment analysis system using **TextCNN** (88.97% accuracy) and fine-tuned **PhoBERT** for improved performance.
  - Designed a custom preprocessing pipeline (language detection, teencode normalization) and implemented an **MLOps** workflow with **Airflow** and **MLflow**.
  - Deployed the system using **Docker** and **FastAPI**, with a **Streamlit** interface and automated retraining via a feedback loop.
- **Github Repository:** https://github.com/edithh81/SentimentAnalysis
- **Technology:** Pytorch, TorchText, pyvi, Streamlit, FastAPI, Airflow, Mlflow, Docker.

Handwritten Recognition   *April 2025*

- **Description**
  - Implemented a Vision Transformer (ViT) from scratch in **PyTorch** for **MNIST** digit classification, achieving **98%** test accuracy
  - Deployed an interactive **Streamlit** app for real-time inference.
- **Github Repository:** https://github.com/edithh81/ViTClassification
- **Technology:** Pytorch, Streamlit.

EXPERIENCE

Cake by VPBank   *Jan 2026 - Present*
AI Engineer Intern

- Joined the **CV** team, focusing on **biometric authentication systems**, including face verification and related computer vision tasks.

GOSU   *June 2025 - Aug 2025*
AI Engineer Intern

- **Applied clustering algorithms** to segment players based on engagement metrics such as spending level, playtime, and in-game activities.
- Contributed to internal seminars on AI algorithms (e.g., supervised learning, clustering), supporting team learning and fostering technical discussions.

Big Data Club, Ho Chi Minh University of Technology (HCMUT-VNU)   *Sep 2024 – Present*
Research Assistant – Graph-based Recommendation Systems

- Conducting research under Dr. Thoai Nam on **Knowledge Graph-based recommendation systems** and **graph deep learning models**.
- Focusing on literature review of state-of-the-art techniques, including recent advances in **GNN-based recommenders** and KG reasoning.

AWARDS

Third Prize - AI Technical Contest 2025: Small Language Model Challenge   *Dec 2025*
AI Developer - HyHy Team
UIT Data Science Challenge 2025 - LLM Hallucination Detection   *Sep 2025*
AI Developer - VNU-Dehallucinater Team