

# Nguyen Huy

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## Objective

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A highly motivated Information Technology student with a strong foundation in machine learning and a dedicated passion for Natural Language Processing (NLP). Seeking a research opportunity to apply and expand my skills in Large Language Models (LLMs) and contribute to challenging projects that advance AI for the Vietnamese language.

## Education

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**Vaasa University of Applied Sciences**, Vaasa, Finland *Aug 2021 – Present*  
*Bachelor of Engineering in Information Technology* (Expected Graduation: 2025)

## Research & Leadership Experience

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**Project Lead: Mental Health Support System** *Vaasa University of Applied Sciences*

- Led the end-to-end development of an AI-driven mental health support system utilizing RAG, LlamaIndex, and advanced LLMs to provide counseling and diagnostic assistance.
- The project was awarded a **\*\*perfect score (5/5)\*\*** by the university's evaluation committee for its technical depth, completeness, and innovative application.

**AI Researcher & Team Leader: AI VIET NAM** *Remote*

- Acted as sub-leader within the AI Residency program, mentoring junior members and coordinating the development of deep learning models for medical time-series data.

**Research Collaborator: VLAI (Vietnamese Language & AI)** *Remote*

- Co-leading research tasks on a Multi-agent Visual Question Answering (VQA) project.
- Coordinating experiments and model evaluation for text analysis and recognition in images (OCR).

## Publications

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- Nguyen Huy, et al. *Convolutional neural network-based artificial intelligence for immune subtype classification in pan-cancer*. Presented at the American Association for Cancer Research (AACR).

## Licenses & Certifications

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- **AIO 2024 Certificate in GenAI and LLMs** (Skills: PEFT, RAG, Agentic AI, Diffusion Models)
- **AIO 2024 Certificate in Computer Vision and NLP** (Skills: Object Detection, UNET, NER)
- **AIO 2024 Certificate in Deep Learning & Machine Learning**
- **NASA Space Apps Challenge 2024** (Galactic Problem Solver)

## Technical Skills

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**Programming:** Python, C, SQL

**Frameworks:** PyTorch, TensorFlow, Scikit-learn, LlamaIndex, LangChain, OpenCV

**Tools:** Git, Docker, Streamlit, Ngrok, Overleaf

**Expertise:** Natural Language Processing, LLM, RAG, Semi-Supervised Learning, Time-series Analysis, Medical Image Analysis, Object Detection

## Languages

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**Vietnamese:** Native • **English:** Fluent (C2) • **Swedish:** Elementary (A2)