# CURRICULLUM VITAE – LE THANH NGHIA


**Personal Information**

Ho Chi Minh City, Viet Nam.
+84812971915
kaggle.com/lethanhnghia
@Bagumeow
lethanhnghia147@gmail.com


**Education & Experience**

**Industrial University of Ho Chi Minh City** — *Oct 2020 - Jun 2025*
Senior student of Data Science — *GPA: 3.65/4.00*

**MOSO / Loan Factory** — *Jul 2024 - Present*
AI Developer — *Fresher*

**Ninja van Vietnam** — *Nov 2023 - Jun 2024*
Data Scientist — *Intern*

**Skills**

**Programming Languages:** Python, Java, C++, SQL.

**AI/ML Technologies:** Large Language Models (LLM), Computer Vision, Retrieval-Augmented Generation (RAG), Mathematical Optimization, OpenAI API (Prompt Engineering, Structured Output), MCP tool (Cursor, Claude).

**Backend Development:** Flask, RESTful API Design, Asynchronous Programming (async/await), Celery Task Queue.

**Database:** MongoDB, SQL.

**DevOps & Cloud:** Docker, Kubernetes, Helm Charts, Google Cloud Platform (GCP), CI/CD with GitHub Actions.

**Language:** English - TOEIC 800 (Listening: 460, Reading: 340).

**Project**

- **ViQwen-MoE-LLaVA: Multimodal Vision-Language Model** – **Graduate Dissertation**
  - Developed Mixture of Experts architecture combining InternViT-300M and Qwen-0.5B for efficient visual question answering.
  - Fine-tuned on chart datasets with complex visual features.
- **IUH Admissions Chatbot using LangChain** – **Course Project**
  - Built intelligent chatbot for university admissions using LangChain framework and Retrieval-Augmented Generation (RAG).
  - Implemented FAISS vector database for efficient document retrieval and semantic search capabilities.
- **Face Analysis System** – **AI Hackathon**
  - Fine-tuned YOLOv8 for face detection achieving mAP50 score of 0.993.
  - Implemented Vision Transformer (ViT) for multi-attribute facial feature classification.
- **Vietnamese Fact-Checking System** – **UIT Challenge**
  - Developed information retrieval pipeline using Vietnamese Bi-Encoder to extract top-5 relevant sentences from context.
  - Applied PhoBERT-base for binary classification achieving F1-Score of 0.93.
- **Visual Question Answering for Vietnamese** – **VLSP 2023**
  - Designed and implemented Stacked Attention Network architecture for multimodal learning.
  - Integrated image and text features to generate accurate answers based on visual content analysis.
- **Breast Cancer Detection Using Deep Learning** – **Research Project**
  - Developed hybrid approach combining classical image processing techniques with deep learning networks.
  - Implemented automated classification system for breast cancer detection from X-ray images.

## Award, Certificate and Activity

- **TOEIC Certificate - Score 800** *Apr 2025*
- **Olympic Mathematics for Vietnamese students** *Apr 2023*
- **AI Hackathon 2024** *Jan 2024*
- **Kapala Challenge 2023** *Nov 2023*
- **UIT Data Science Challenge 2023** *Oct 2023*
- **Participate in YSC 2023 (Young Scientists Conference),P.70** *Sep 2023*
- **School-level Incentive Award Eureka 2023.** *Sep 2023*
- **Mentor of AI Club IUH.** *2022-2024*