

Nguyen Gia Huy

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SUMMARY

Second-year Computer Science student at Ho Chi Minh City University of Technology. Strong interest in AI and Data Science, with early experience in research and technology competitions. Experienced in leading a student technical club and collaborating effectively in competitive environments.

EDUCATION

2025 – Present Bachelor of Computer Science, **Ho Chi Minh City University of Technology (HCMUT)**.

ACHIEVEMENTS & AWARDS

- **Research Paper Publication – SoICT Conference (2024)** – Research conducted during the AI Challenge Competition.
- **1st Prize** – Chung Innovation Competition – a Korean OCR challenge jointly organized by HCMUT and a Korean enterprise.
- **3rd Prize** - HCMC AI Challenge 2024

LEADERSHIP & ACTIVITIES

- President, High School IoT Club – Led 30+ members, organized IoT and robotics competitions.
- Hosted a Study Jam about LangFlow (a low-code tool for deploying AI Agents and workflows) at Google Developer Group on Campus HCMUS.

PROJECTS

American Sign Language Interpreter [Github Link](#)

Implemented an ASL (American Sign Language) recognition project in a basic Machine Learning course, using PyTorch to train a model that classifies 100 sign language words.

AI Challenge Competition - Video Retrieval System [Github Link](#)

Developed an image retrieval system using Milvus vector database, managing over 1M image vectors for large-scale semantic search. Integrated Gemini API to expand and diversify user query context, improving query understanding and supporting more accurate image retrieval results.

PUBLICATIONS

RAPID: Retrieval-Augmented Parallel Inference Drafting for Text-Based Video Event Retrieval [P](#)

Co-first author; proposed an LLM-based query enrichment and parallel retrieval framework to improve text-based video event retrieval

SKILLS

Programming	Python, C++
Tools	Git/GitHub, Jupyter Notebook, Latex, Bash, Vim
Soft Skills	Team and Project Management, Communication, Research collaboration