HUYNH VIET TIEN

Ho Chi Minh City, Vietnam

✉ business.tienhv@gmail.com ☎ (+84) 335 903 327 linkedin.com Portfolio

AI Engineer with practical experience in Computer Vision and Data Engineering. Proficient in Python, SQL, Web Apps Development and Vision-Language Models (VLM). Eager to learn and apply Generative AI and Agentic Systems to deliver high-impact business solutions.

EDUCATION

University of Information Technology - VNUHCM   **September 2023 – Present**
- Bachelor of **Artificial Intelligence | Accumulated GPA: 8.32**/10
- Achievements: First-year excellence scholarship 2024

EXPERIENCE

AvePoint   *November 2025 – Jan 2026*
Subsidiary of AvePoint (NASDAQ: AVPT) - Top 5 Global Microsoft Cloud Solutions Provider
Developer Trainee
- Implemented high-performance backend modules using C#/.NET & SQL Server to optimize request–response cycles in enterprise web applications.
- Engineered role-based access control (RBAC) and authentication mechanisms, ensuring compliance with OWASP security standards.
- Collaborated in an agile team to deliver features across bi-weekly sprints, ensuring 100% on-time delivery of assigned backlog items.

AIESEC in Vietnam   *July 2025 – Jan 2026*
AIESEC (Association Internationale des Étudiants en Sciences Économiques et Commerciales) is the world's largest youth-led leadership development organization (Partner of United Nations, present in 120+ countries)
National Marketing Manager of Data & Automation
- Led national data engineering initiatives, designing scalable pipelines and analytics dashboards to drive better decision-making for the organization.
- Built a brand new data system for the ELD portfolio using Next.js + MySQL, reducing data loss from ~20% to ~1% and ensuring clean, reliable datasets for analysis.

PROJECTS

Video Retrieval System   *July 2025 – December 2025*
An advanced multimedia search engine utilizing vision-language models, efficient vector search, and a modern web interface for accurate and user-friendly retrieval.
Github: Video Retrieval System
Technologies: Python, FastAPI, JavaScript, Vision-Language Models, CLIP, Milvus, Websocket, Nginx, Docker.
Responsibilities:
- Engineered a high-throughput video search pipeline by integrating Vision-Language Models (VLM) with Milvus vector database for real-time semantic query processing.
- Built a high-performance backend with Milvus for large-scale vector similarity search and deployed with Docker/Nginx for high availability.

Results: Surpassed 797 teams to reach "Potential Award", contributed to the Ho Chi Minh City Week of Innovation, Science, Technology, and Creative Startups 2025 (WISE HCMC[+] 2025), earning an invitation to the international SoICT conference held in Nha Trang.

Multi-modal 3D Object Retrieval   *April 2025*
Participated in ROOMELSA Grand Challenge on 3D masked-object retrieval using natural language and spatial context.
Github: ROOM ELSA
Technologies: Python, Faiss, VLLM: InternVL, CLIP, PyTorch.
Responsibilities: Implemented reranking modules combining CLIP + InternVL embeddings, improving retrieval accuracy.
Results: Secured 4th place in the ROOMELSA Grand Challenge and authored a workshop paper.

CERTIFICATES AND ACHIEVEMENTS

- **Software Developer Certificate - MaivenPoint Academy**   *2026*

Certified practical skills in Software Development, Data Structures & Algorithms, Agile Methodologies, and Effective Business Communication.

- **AI Challenge Ho Chi Minh City & SOICT 2025 Conference**   *2025*
  Co-author of **Adaptive Agent-Guided Dynamic Programming for Multi-Event Video Retrieval** (presented at SOICT 2025) and won Potential Prize at the AI Challenge Ho Chi Minh City 2025
- **Retrieval of Optimal Objects for Multi-modal Enhanced Language and Spatial Assistance**   *2025*
  (ROOMELSA)
  Co-author ([featured](#) in Journal of Visual Communication and Image Representation) and achieved Top 4 at the ROOMELSA Grand Challenge 2025
- **TEMPO RUN: Signboard Detection Challenge**   *2024*
  Achieved 2nd rank in competition held by UIT AI Club 2024

SKILLS

- **Languages:** IELTS 6.5, Experienced in English-speaking work environments
- **AI & Data:** Computer Vision, Vision-Language Models (VLM), Generative AI (Learning), Agent AI (Learning), NLP, Data Analytics, PyTorch, Scikit-Learn.
- **Tools & Systems:** Docker, Git/GitHub, Linux (Ubuntu), Vector Databases (Milvus, Faiss).
- **Programming & Scripting:** Python, C++, SQL, Javascript