

DINH THIÊN ÂN

☎ 0703489106

✉ dithienan03@gmail.com

🐙 github.com/dinhthienan33

🌐 linkedin.com/andinhthien

Education

University of Information Technology (UIT)

Ho Chi Minh City, Vietnam

B.Sc. in Computer Science

2022 – 2025

GPA: 3.5/4.0

Certificates

- *Applications of AI for Anomaly Detection* – NVIDIA Deep Learning Institute (DLI)
- TOEIC L-R **790/990**

Skills

- **Programming Languages:** Python (Expert), C/C++, JavaScript (NodeJS), SQL.
- **AI/Machine Learning:** Natural Language Processing (NLP), RAG Pipelines, Optical Character Recognition (OCR), Computer Vision, Multimodal Learning, LLM Optimization (Quantization, GGUF, llama.cpp).
- **Frameworks & Libraries:** PyTorch, TensorFlow, LangChain, FastAPI, Hugging Face Transformers, Scikit-learn, Sentence Transformers.
- **Backend & Infrastructure:** PostgreSQL (pgvector), Redis, RabbitMQ, MongoDB, Docker, Git, Linux/Ubuntu.
- **Cloud Platforms:** AWS (Bedrock, SageMaker, Lambda, EC2, S3), Google Cloud Platform (GCP).
- **Tools & Protocols:** Model Context Protocol (MCP), Vector Databases, Multi-stage Docker Builds.

Publications

- **DocIE@XLLM25: ZeroSemble - Robust and Efficient Zero-Shot Document Information Extraction with Heterogeneous Large Language Model Ensembles**
XLLM Workshop @ ACL 2025
- **Effective Raindrop Removal: An Integrated Deep Ensemble Approach with Semi-Supervised Learning and Restormer Denoising**

Experience

TMA Solutions

Ho Chi Minh City, Vietnam

AI Engineer Intern

Mar 2025 – July 2025

Project: Testing Copilot

An automated agent that acts as a Junior Tester, capable of executing test cases and

professionally handling tasks such as writing requirements, test cases, test scripts, and test reports.

- Built an end-to-end execution pipeline for automated test script generation and execution using Large Language Models (LLMs) integrated via **Model Context Protocol (MCP)**, enabling faster and more accurate test coverage.
- Achieved a **70%** reduction in manual testing time, shortening release cycles and allowing the QA team to reallocate resources to higher-priority business features.

VPBank

Ho Chi Minh City, Vietnam

AI/ Software Engineer

Sep 2025 - Jun 2026

Project: Smart Tools Suite

Smart Tools Suite is a platform designed to streamline core banking operations, including disbursement, lending, and debt collection, improving efficiency and reducing processing time.

- Scaled to **3000 concurrent users (CCU)** across the enterprise, ensuring high availability and system reliability.
- Reduced disbursement processing time by **40%**, accelerating operational workflows and enhancing service delivery.

Projects

Intelligent Risk Analyzer for AML Review

Jun 2024 – July 2025

- The solution can intelligently search, gather, and analyze online information (from sources like news, social media, and public data) about customers based on their personal or business identification details.
- **Technologies:** Using Langchain to build Agent, NLP methods for retriever and embedding stage. Built auto crawling pipeline using AWS Lambda and S3. Deployed on AWS EC2, Database (DynamoDB, AWS S3), LLM with AWS Bedrock. Training with AWS SageMaker.
- **Overcame nearly 80 teams** to present the solution in the final presentation.

Multimodal Sarcasm Classification

Nov 2024

UIT Data Science Challenge 2024

- Developed a system to detect sarcasm in combined text and image data.
- **Technologies:** Python, PyTorch/TensorFlow, Scikit-learn, Pandas, Multimodal Fusion Techniques.
- **Achieved 10th place out of 43 teams** in the private test phase.