Phan Thuy Phuong

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Portfolio Website

Education

University of Information Technology — Ho Chi Minh City, Vietnam
Major in Artificial Intelligence; GPA: 8.2/10 — 2023 - 2026 (Expected)

- **Relevant Coursework:** Natural Language Processing, Machine Learning, Deep Learning, Software Engineering
- **Certificates:** NVIDIA, AWS, Prompt Engineering

Experience

TPS Thanh Phong — Ho Chi Minh City, Vietnam
IT Internship — January 2026 – March 2026

- Leveraged AI-powered tools to automate routine office tasks, increasing efficiency and reducing manual workload
- Supported training on the application of AI for the People's Committee of Binh Hung Commune.

Shinhan Life Vietnam — Ho Chi Minh City, Vietnam
ICT Infrastructure Internship — May 2026 – June 2026

- Selected for the intensive, 1-month S-Cellence Program
- Integrated automated vulnerability scanning tools into CI/CD pipelines, detecting security flaws

Projects

Text Analysis Tool — View on GitHub
Django, ReactJS

- Developed a multilingual text analysis platform supporting English and Vietnamese with summarization and sentiment classification.
- Implemented file handling features supporting `.doc` and `.pdf` uploads for flexible user input.

TiepLM AI Assistant — View on GitHub
RAG, FastAPI, Qdrant, React

- Engineered a generic "NotebookLM-like" assistant for Deep Learning video courses, featuring hierarchical text summarization, Q&A with inline citations, and automated quiz generation.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline using hybrid search (Vector + BM25) and cross-encoder reranking to ensure high-accuracy context retrieval.
- Designed a modular monolith backend using FastAPI and PostgreSQL with a standalone ingestion pipeline to handle vector embeddings in Qdrant.

Tech Stacks

Programming: Python, FastAPI, Django, JavaScript, Angular, Bootstrap, ReactJS, Flutter

Tools: Git, Docker, Qdrant, Redis

AI/ML: Scikit-learn, PyTorch

Cloud: AWS

Language

Vietnamese: Native

English: IELTS 7.5 (2025)