

Nguyen Tien Thang

Ao Sen, Mo Lao, Ha Dong • Ha Noi • thangtien1411@gmail.com • 0979890056

Education

Posts and Telecommunications Institute of Technology

Engineering Degree. CPA: 3.61/4.0

Ha Dong, Ha Noi

2021 - 2026

Project

PTIT Innovation & Entrepreneurship Center (PTIT IEC)

Ha Dong, Ha Noi

PTIT Chatbot

April 2024 - October 2024

- This project aims to create a virtual assistant using data from departments in the school.
- This chatbot help answer students' questions about the school (admissions, scholarships, scoring,...).
- I use FastAPI to create a website for school departments to submit data to. The data is then embedded and put into the vector database.

PTIT Innovation & Entrepreneurship Center (PTIT IEC)

Ha Dong, Ha Noi

Automatically generating multiple-choice questions

April 2024 - December 2024

- This project aim to create an API to generate multiple choice questions to help teachers prepare tests and exams.
- I use React Agent by creating 3 tools: the question creation tool and the assessment and editing tool. At the same time, let the Agent learn how to reason to use the tools.
- I use API of ChatGPT and Gemini to generate tools.
- Write a demo using Gradio and send it to the Institute of Information and Communications Technology (CDIT) for evaluating.
- Paper "Tu Dong Tao Cau Hoi Trac Nghiem Su Dung Cac Mo Hinh Ngon Ngu Lon" was accepted at FAIR 2024.
- I write API using Flask.

Leadership & Activities

PTIT Innovation & Entrepreneurship Center (PTIT IEC)

Ha Dong, Ha Noi

Leader Team Training

2024

- Training new members of IEC on basic knowledge of AI (Machine learnig, deep learning, libraries: numpy, pandas,...).
- Comment and evaluate members' presentations.

Leader Project Medicines Classification

2024

- The project aims to standardize missing data in Vietnam's medicine files through available big data. At the same time, build a drug price prediction model.
- I divide work and manage members' tasks.
- I build a model to predict drug prices based on other attributes.

Honors & Awards

2024

- AI Summer School PTIT - JAIST.
- Scholarship for the term 2 of the school year 2023-2024 (GPA:3.78/4.0).

2023

- Third Prize in AI Challenge PTIT.
- Consolation Prize in ICPC PTIT.
- Scholarship for the term 1 of the school year 2023-2024 (GPA:3.59/4.0).
- Scholarship for the term 2 of the school year 2022-2023 (GPA:3.47/4.0).

2022

- Scholarship for the term 1 of the school year 2022-2023 (GPA:3.55/4.0).
- Scholarship for the term 2 of the school year 2021-2022 (GPA:3.59/4.0).

2021

- Scholarship for the term 1 of the school year 2021-2022 (GPA:3.75/4.0).

Certifications**2023**

- Artificial Intelligence with Python Samsung PTIT Certificate.

2022

- Applications of algorithm Samsung PTIT Certificate.

Skills & Interests

Programming Language: C/C++, Java, Python, HTML, CSS, JavaScript.

Technical: Git, Docker, Pytorch, Tensorflow, Flask.

Natural Language Processing: FastAPI, Vector Database: Chroma, LangChain, LlamaIndex, Transformer.

Interests: Math, Science, Technology.

Github: <https://github.com/MTagi>