Tan Thai Nhat

AI Engineer Internship

PROFILE

As an Artificial Intelligence major at FPT University Da Nang, I am driven by a profound passion for harnessing the transformative power of AI technologies. My academic and research pursuits focus on developing intelligent systems, building machine learning models, and optimizing AI workflows. With a strong foundation in data-driven problem-solving and a commitment to continuous learning, I strive to contribute meaningfully to the field of Artificial Intelligence. My ultimate goal is to innovate and advance AI solutions that have a lasting impact, shaping the future of technology and its applications.

CONTACT DETAILS

@ thainhattan26012003@gmail.com
+84 93 257 9198
github.com/thainhattan26012003
Da Nang, Viet Nam

AREAS OF EXPERTISE

- Machine Learning
- Deep Learning
- Time series
- Chat Bot

LANGUAGES

- English

Experience

Landslide Prediction **10/2023 - 12/2023**

◇ **Description**: Using three elements elevation, slope, and NDVI to predict the land slide of Son Tra mountain

◇ **Role**: Collected elevation data from the Google API, calculated the slope of the mountain, and collected NDVI data from satellites.

◇ **Results**: Achieve expected performance within 70-80% accuracy

◇ **Skills**: Python, Google API, Satellite Image

◇ **Git**: See here.

Time-Series Imputation **02/2024 - present**

◇ **Description**: Utilized **Deep Learning/Machine Learning** techniques to impute missing values in time series data, evaluated model performance, and implemented improvements to enhance accuracy and efficiency.

◇ **Role**: Combine models **Deep learning**, compare with other Machine learning models, optimize hyper-parameters

◇ **Results**: Achieve Similarity score between original values and predict value **over 85%**

◇ **Skills**: Deep learning, Machine Learning, Tensorflow, time series

◇ **Git**: See here.

Rare Disease Search Engine **05/2024 - 07/2024**

◇ **Description**: Develop a specialized search engine that improves access and searchability of information about rare diseases for researchers, medical professionals and patients.

◇ **Role**: Building an BERT model to capture for NLP processing

◇ **Results**: Achieving quite stable search efficiency with accuracy over 60%

◇ **Skills**: BERT, Python

◇ **Git**: See here.

Chat Bot **09/2024 - present**

◇ **Description**: Designed and developed an interactive **Chat bot** to engage with users, leveraging **Retrieval-Augmented Generation (RAG)** for efficient data storage and retrieval to enhance conversational accuracy and user experience.

◇ **Role**: Research **LLM**, Vector Database, Retrieval techniques, fine-tuning LLM model, back-end developer, front-end upload file from Google Drive

◇ **Results**: Incorporates user interaction features similar to GPT and other chatbot platforms, delivering consistently high-quality and reliable outputs.

◇ **Skills**: RAG, Qdrant, ReactJS, LLM

◇ **Video Demo**: See here.

Education

◇ **Student** majoring in **Artificial Intelligence** at **FPT University Da Nang. 2021–2025**

◇ **Relevant Courses**: Machine Learning, Data Visualization, Data Structure and Algorithm, Deep Learning, Time Series.

◇ **Participated** in Developer AI Club.

◇ **Participated** in Research Connect 2024 at FPT University.

◇ **Participated** in Imagine Cup 2025.

Skills

◇ **Deep learning/Machine learning frameworks:** TensorFlow, Scikit-learn, Pytorch

◇ **AI model & library:** Langchain, langgraph, llamaindex

◇ **Data manipulation and analysis:** Pandas, NumPy

◇ **Visualization frameworks:** Matplotlib, Seaborn

◇ **Database:** MySQL

◇ **Vector Database:** Qdrant

◇ **Cloud Deployment:** Docker