Nguyen Van Thang

AI Engineer

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OBJECTIVE

AI Engineering student passionate about NLP, machine learning, and generative AI. Aspiring to become a proficient AI Engineer by building and deploying AI-powered applications such as chatbots and RAG systems on cloud platforms.

EDUCATION

HCMC Univesity Technology and Education

Sep 2022 - Present

Data Engineer GPA: 3.48/4

WORK EXPERIENCE

VIỆN CÔNG NGHỆ VIỄN THÔNG

Jun 01 - Aug 31

AI Engineer Intern

- Built a **RAG-based chatbot** for My Auris Dental Clinic to answer FAQs about dental services.
- Collected and cleaned domain-specific data using Python (Selenium, BeautifulSoup).
- Implemented semantic search with FAISS and Vietnamese embeddings from HuggingFace.
- Deployed backend with **Flask API** and frontend with **Streamlit** for user interaction.
- Gained hands-on experience with **NLP**, **embeddings**, **LLM APIs** and pipeline automation.

CERTIFICATIONS

TOEIC 650	2024
AWS Academy Graduate - AWS Academy Cloud Developing	2025
AWS Academy Graduate - AWS Academy Microservices and CI/CD Pipeline Builder	

AWS Academy Graduate - AWS Academy Cloud Web Application Builder

SKILLS

Programming	Python, SQL, Pandas, NumPy, Scikit-learn, PyTorch, Tensorflow
NLP & LLMs	HuggingFace, LangChain, FAISS, RAG, Prompt Engineering, Embeddings
ML & DL	Linear Regression, Logistic Regression, Softmax Regression, MLP, CNN, RNN, LSTM, Transformer, BERT
Data Engineering	ETL Pipelines, Web Scraping, Data Cleaning
DevOps & Tools:	Git, Docker, CI/CD (basic), Flask, Streamlit

PROJECTS

DentalCare AI Chatbot Jul 01 - Aug 20

Team size: 1

DentalCare AI Chatbot is a Retrieval-Augmented Generation (RAG) system built for My Auris Dental Clinic to provide instant answers to common questions about dental services such as veneers, implants, braces, scaling, fillings, and root canal treatments. The system automates data crawling, cleaning, and embedding with FAISS for efficient semantic search, and is deployed with a Flask API backend and Streamlit frontend. Designed with scalability in mind, it can be extended with cloud deployment, evaluation pipelines (Ragas, precision@k, recall@k), and user feedback monitoring for continuous improvement.

Link Project: https://github.com/vanthangit/Chatbot-MyAuris.git

Sentiment Analysis with Big Data and Deep Learning

Oct 01 - Oct 19

Team size: 1

Description: Built an NLP-based system to classify Amazon Reviews into positive and negative sentiments using text preprocessing, feature extraction TF-IDF, and machine learning models such as Logistic Regression, SVM, and Random Forest. Explored deep learning approaches (LSTM, BiLSTM, BERT) for performance improvement.

Link Project: https://github.com/vanthangit/sentiment-analysis.git

Retail Data Analysis and Forecasting

May 01 - May 22

Team size: 4

Description: Leveraged retail data through preprocessing, analysis, and machine learning to understand consumer behavior and identify ways to increase revenue amid changing shopping habits.

Role: Preprocessed data, conducted EDA, and performed data storytelling to extract actionable insights.

Link Project: https://github.com/vanthangit/DataAnalyticsProject

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