DANG DANG KHOI

AI ENGINEER INTERN

CONTACT

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SKILLS

- AI/ML: Machine Learning, LLMs, RAG, LLMs Agent, Chatbot.
- Deep Learning: Natural Language Processing, CNN, LSTM, Transformers.
- Data Engineering: Data Mining, Web Scrapping, Big Data Technology.
- Programming: Python, Pytorch, TensorFlow, Pandas, Scikit-learn, Langchain, FastAPI.
- Data & Infrastructure: Github, Docker, FastAPI, MongoDB, MySQL, Spark.
- Soft skills: Troubleshooting, Teamwork, Critical Thinking.

EDUCATION

Bachelor of Science in Computer Science

International University - HCMIU 2022–2026

GPA: 3.04/4

Relevant Course: Data Mining, Big Data Technology, Artificial Intelligence, NLP.

CERTIFICATION

- IELTS 6.5 (2022)
- NLP Foundation - ProtonX (2025)
- Machine Learning Specialization - Stanford University & DeepLearning.AI (2024)

SUMARY

Innovative AI/ML Engineer with a proven track record of developing and deploying NLP systems and recommendation engines that drive real-world impact. Expertise in leveraging advanced models to solve complex problems, from data preparation to final deployment. Seeking an opportunity to contribute to cutting-edge AI initiatives and further expand my expertise in a challenging environment.

PROJECTS

HCMIU Q&A Bot

April 2025 - Present

- **Description:** Completed data preparation for a Vietnamese university Q&A chatbot by extracting text from scanned documents using PyTesseract OCR and scraping academic content. Built a structured dataset and fine-tuned PhoGPT on a domain-specific Q&A corpus. Applied document chunking for integration with a Retrieval-Augmented Generation pipeline.
- **Technologies:** Transformer, Pytorch, HuggingFace, PyTesseract OCR, BeautifulSoup, MongoDB.

Steam Game Data Mining & Chatbot

March 2025 - Present

- **Description:** Applied data mining techniques to predict user review sentiments and uncover association rules between game features and user preferences. Built a recommendation chatbot using reflection-based Retrieval-Augmented Generation (RAG), integrating semantic search via Sentence Transformers and MongoDB, GeminiAPI for function calling and LLMs response.
- **Technologies:** BeautifulSoup, Pandas, MongoDB, GeminiAPI, Streamlit, SentenceTransformers, Weka.

AI Shopping System

Sep 2024 - Jan 2025

- **Description:** Engineered and deployed AI/ML models (Collaborative Filtering, Content-based Filtering, Association Rules) to significantly enhance online shopping functionality and user experience, including personalized recommendations, improved search, and smart cart suggestions. Successfully deployed these models on a high-performance platform using FastAPI and Docker.
- **Technologies:** Pandas, Scikit-learn, Mlextend, FastAPI, Docker.