NGUYEN HAI DANG - software engineer

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SUMARY

As a fourth-year Computer Science student at the University of Information Technology (UIT), I have experience in backend development, machine learning, and basic DevOps. My strong foundation in mathematics and programming enables me to approach complex problems with effective analytical and problem-solving skills. I have practical experience with modern backend frameworks, database systems, and deployment pipelines, as well as a solid understanding of machine learning concepts and applications.

EDUCATION

University of Information Technology (UIT)   *2021 - Present*

Major: Computer Science

TECHNICAL SKILL

Programing Languages: Python, Javascript, TypeScript

Framework/ Libraries:
- TensorFlow, Langchain
- NodeJs, ExpressJs, NestJs

Database management systems: MySQL, MongoDB

Tools & Other: Git, Postman, Docker, Kubernetes, Jenkins

Cloud Platforms: AWS

Foreign Language: English (IELTS 6.0)

PROFESSIONAL EXPERIENCE

Tada Labs - AI developer   *5/2024 – 7/2024*

Project: Prompt ai - agent (4 members)

- **Description**: Developed a prompt AI-agent designed to generate and manage prompts for various applications (education, travel,..)
- **Technology**: LangChain , Python, Streamlit, Flask, SQlite, Postman,Docker
- **Responsibilities**:
  - Created a user-friendly interface using Streamlit for easy interaction with the AI-agent.
  - Developed and integrated APIs using Flask to implement AI-agent functionalities

PROJECT

Fullstack Job Recuitment website

- **Description**: Built a full-stack Website enabling job posting, application, and user profile management. The application features a React frontend, a NestJS backend for RESTful APIs, and FastAPI for real-time WebSocket chatbot (RAG). Data is managed with MongoDB, and the project is deployed using Docker on AWS for scalability.
- **Technology**: React, NestJS, FastAPI, MongoDB, Docker, AWS
- **Github**: *https://github.com/NHDang273/Recruitment-website*

RAG document & Website

- **Description**: A web-based platform using Retrieval-Augmented Generation (RAG) to efficiently retrieve and summarize information from document collections. Suitable for knowledge management and research assistance
- **Technology**: Python, LammaIndex, FireCrawler
- **Github**: *https://github.com/NHDang273/RAG_demo*