



Nguyen Minh Ly

AI/ML Engineer

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I am passionate about AI, captivated by the wonders it brings. I aspire to learn more in this field to create profitable products for the company and benefits for the community. In my work, I am responsible and proactive in learning new technologies to serve my job. My motto is "no pain, no gain".

Experience

Mentee at Cinnamon AI Fullstack Bootcamp

Jun 2023 - Aug 2023

- Trained in skills essential for an AI Engineer: Research, Data Management, NLP, CV, Frontend, API, Git, Docker, etc.
- Directly mentored by a Japanese mentor, using English for communication.
- Final Project: Translate and template Recovery PDF file. Ranked 2nd out of 5 projects in the Bootcamp.

Intern BE AI Engineer at ProXGlobal

Jun 2023 - Present

- Research and develop applications around LLM: Question-Answering with PDF, Character Bot, Summarize PDF.
- Research and build applications surrounding stable Diffusion technology, Dreambooth, LoRA: QR art, anime image conversion.
- Develop APIs for the above applications.

Education

VNUHCM - UNIVERSITY OF INFORMATION TECHNOLOGY

Oct 2020 - Present

- Bachelor's Degree Program
- Major in Artificial Intelligence
- Current GPA: 8.61 / 10

Skills

- Programming Languages: Python
- Framework and Library:
 - ML/AI: OpenCV, PyTorch, TensorFlow
 - API: FastAPI
 - Web crawler: Selenium, BeautifulSoup
 - Database: MongoDB
- Others:
 - Langchain, OpenAI API
 - Stable Diffusion
 - Git/Github, Docker / Docker Compose, VPS, Ubuntu Server
 - Streamlit, Gradio

Prizes And Awards

- HCM AI Challenge 2021, Consolation prize
- BKAI-NAVER AI Challenge 2022, Top 4
- Oraichain Hackathon 2023, Top 4
- 2 times receiving UIT scholarships
- NESTQUANT TOURNAMENT 2023, Top 3
- UIT RACING CAR 2021, Top 3
- UIT AI Challenge 2022, Top 4

Projects in Company

Spam Information Detection (Out source)

May 2022 - Jul 2022

- Detecting inaccurate customer information from online advertising forms.
- In this project, I conducted observation, assessment, and cleaned a portion of the data, then ran various Machine Learning algorithms to classify customer information.

Translated and Recovery Layout PDF

Jul 2023 - Aug 2023

- A web application used for translating PDF files from English into two languages: Vietnamese and Japanese, while maintaining the original layout of the PDF file.
- In this project, my role is an AI researcher. I research the necessary models and evaluate them, to select the most optimal model for the system.
- Participated in creating slides and presented, and prepared for potential questions that were likely to be asked after the presentation so the team could be prepared in advance.

Artistic for QR Code

Jun 2023 - Aug 2023

- Utilize technologies surrounding Stable Diffusion to make artistic QR images.
- My role in this project is to research prompt engineering technologies and Controlnet to integrate with Stable Diffusion to create stable prompts, achieving a rate of over 90% for beautiful images. Subsequently, I will build a high-performance API for mobile integration.

EKYC (Out source)

Jul 2023 - Present

- Along with my outsource team, we developed an eKYC project for four types of identification documents: CCCD, CMTND, Passport, and Driver's License.
- My role in the project up to this point has been to implement models for extracting information from three types of documents: CCCD, CMTND, and Passport, and turning them into APIs.

Personal Projects

Slearn at Oraichain Hackathon 2023

Mar 2023 - May 2023

- Leveraging Blockchain and AI, we've created an educational app showcased at a major Blockchain event.
- The app uses AI for transparent student management and Blockchain for data integrity, providing businesses with reliable candidate information for optimized hiring decisions.

Scenetext Detection and Recognition for Vietnamese at UIT AI Club

Jun 2021 - Present

- Explore and research the latest technologies to solve OCR problems: normal, scene text, and handwriting.
- Participate in national OCR competitions.