

UYEN HUYNH KHOI MINH

[website](#)

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OBJECTIVE

I'm a final-year student at the University of Agriculture and Forestry in Ho Chi Minh City. I'm undergraduate, my major is Biotechnology. I'm eager to integrate Artificial Intelligence (AI) into biotech for enhanced research and applications. My goal is to contribute innovative solutions at the intersection of Biotechnology and AI, advancing areas like genetic engineering and drug discovery.

EDUCATION

Biotech Engineer: University of Agriculture and Forestry Ho Chi Minh city Expected 2025

AIVIETNAM member 2023 - current

WORKING EXPERIENCE

Capybara Tech 7/2025 - current
Co-founder *Ho Chi Minh city, Vietnam*

- Responsible for co-founding the company and directing its financial strategy. My core responsibilities include financial planning, risk management, investment analysis, and ensuring the company's fiscal integrity and profitability.

Taipei Medical University 7/2024 - current
Mentee *Remote*

- Collaborated with mentors to deepen understanding of drug-induced liver injury (DILI) and clinical assessment frameworks such as CRISP-Cas.
- Developed and implemented machine learning and deep learning models (e.g., LSTM, CNN, Transformer-based architectures) for natural language processing tasks related to DILI case prediction and classification.

French language tutor 2022 - current
Freelance *Ho Chi Minh city, Vietnam*

- Helps high-school students to hone Communication skills in French.
- Provided students with weekly progress notes, setting learning objectives and tracking their improvements.

Food Microbiology Lab 2022 - current
Nong Lam University Ho Chi Minh city (NLU) *Ho Chi Minh city, Vietnam*
Advisor: Dr. Cao Thi Thanh Loan

- Food microbiology research focuses on studying microorganisms in food to ensure safety, quality, and preservation methods.

Mat Bao coporation 7/2024 - 9/2024
Internship *Tan Binh, Ho Chi Minh city, Vietnam*

- Managed and published e-invoices, performing thorough checks for accuracy and compliance.

UNDERGRADUATED PROJECTS

BreastCNNs (personal project):

This project proposes an AI-based classification model for proactive breast cancer screening using mammography images.

GitHub: [BreastCNNs](#)

Capybara (team project):

Capybara is an AI-powered community learning ecosystem designed to revolutionize language education by moving beyond superficial learning.

GitHub: [Capybara](#)

Salus-Analytica (team project):

SAGE is an enterprise-grade, comprehensive AI healthcare system architected to deliver reliable, evidence-based medical information to healthcare professionals, organizations, and patients.

GitHub: [SAGE](#)

CRISPRCas9-NLP (team project):

Engineered CRISPRON, an optimized CNN framework for predicting CRISPR/Cas9 repair outcomes in primary human T cells.

GitHub: [CRISPRCas9 NLP](#)

Energy gel for Athletes (team project):

Advisor: Dr.Cao Thi Thanh Loan

Developing an advanced energy gel tailored for Athletes.

Microbial Genome & Microbiome Analysis Course (team project):

Advisor: Dr.Luu Phuc Loi

The Microbial Genome & Microbiome Analysis Course covers sequencing, analyzing, and interpreting microbial DNA data.

GitHub: [MGMA 2024](#)

Stacking project: Cardiovascular Prediction using Stacking (personal project):

The "Cardiovascular Prediction using Stacking" project builds an accurate prediction model for identifying people at risk for cardiovascular illnesses using ensemble learning, specifically stacking.

GitHub: [Cardiovascular Predcition](#)

Traffic Sign Detection project (personal project):

In order to identify road signs—which are essential for driver assistance systems and self-driving cars—traffic sign detection uses object detection techniques.

GitHub: [Traffic Sign Detection project](#)

EXTRA-CURRICULAR ACTIVITIES

- Certificates: Coursera certificates for [deep learning course](#), reflecting my dedication to AI.
- Certificates: [PLOS ONE reviewer](#)
- Member of content team at Bio English Club (BEC): Established and host an English Club with 100 members.

SKILLS

Key competencies	Programming languages, Machine Learning, Deep Learning, Data Analysis and Manipulation
Technical Skills	Python, HTML, CSS.

LANGUAGE

- English: Toeic 700+
- French: Equivalent to B2
- Chinese: Equivalent to HSK 3
- Vietnamse: Native