

UYEN HUYNH KHOI MINH

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OBJECTIVE

I'm a third-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

High-school diploma: Thang long high school for the gifted 2018-2021
3rd prize in the provincial French language excellence competition. GPA: 8.50/ 10

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

AIO2023 member 2023 - current

SKILLS

Key competencies	Programming languages, Machine Learning, Deep Learning, Data Analysis and Manipulation
Technical Skills	Python
Soft Skills	Multitask, Teamwork, Communication

WORKING EXPERIENCE

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.
- Met and collaborated with student's parents to set realistic learning goals.

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.
- Utilizing advanced techniques to analyze microbial contamination, fermentation processes, and microbial interactions.

UNDERGRADUATED PROJECTS

Energy gel for Athletes (team project):

Advisor: Dr. Cao Thi Thanh Loan

Developing an advanced energy gel tailored for Athletes.

Focus on rapid energy release, optimized nutrient absorption, and palatability.

Formulation enriched with carbohydrates, electrolytes, and vitamins for peak performance.

Rigorous quality control ensures safety and consistency.

Object detection & Image labelling (personal project):

Detect object in camera realtime image by using YOLO-v8 project leverages the cutting edge YOLO-v8 algorithm to accurately identify and track the presence of the helmets in various environments. This initiative aims to enhance safety protocols by ensuring compliance with helmet usage regulations in construction sites, manufacturing facilities,

and other hazardous areas.

GitHub: [Object detection & Image labelling](#)

Data handling (personal project):

Expertise in data handling showcased through diverse dataset acquisition, preprocessing.

GitHub: [Data handling](#)

Diamond prediction (personal project):

Utilized machine learning for accurate diamond quality forecasting, optimizing models for precise results.

GitHub: [Diamond prediction](#)

Text project: LLM - Based Math Solver (personal project):

The LLM-based Math Solver project employs a sophisticated LLanguage Model to decipher and solve complex mathematical problems, functioning as a dynamic tool for educational and analytical applications.

GitHub: [Text project](#)

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. The initiative intends to improve forecast accuracy by merging many base models, offering important insights for preventative healthcare tactics.

GitHub: [Cardiovascular Prediction](#)

EXTRA-CURRICULAR ACTIVITIES

- Interest: Actively engaged in reading, watching Netflix documents series, fostering team spirit and a balanced lifestyle.
- Certificates: Coursera certificates for [deep learning course](#), reflecting my dedication to AI.
- Member of content team at Bio English Club (BEC): Established and host an English Club with 100 members.
- Helping people enroll in a PhD Luu Phuoc Loi bioinformatics online course entails assisting them with the enrolling procedure and providing support for accessing and comprehending the course materials. This assistance might take the shape of advice on registration procedures and technological requirements, as well as information regarding the prerequisites, curriculum, and class structure. It could also entail answering any queries or worries that students might have about the requirements, expectations, or evaluations for the course. The ultimate objective is to make the bioinformatics course easier for students to access and participate with, promoting their learning and academic performance.

LANGUAGE

- English: B2
- French: B1
- Chinese: HSK2
- Vietnamse: Native