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, Comunication

WORKING EXPERIENCE

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

- Helps high-school students to honce Communication skills in French.
- Provided students with weeky progress notes, setting learning objectives and tracking their improvements.
- Met and collorated 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.

Microbial Genome Microbiome Analysis Course (team project):
The Microbial Genome Microbiome Analysis Course provides a comprehensive introduction to the study of microbial genomes and microbiomes. Students will learn cutting-edge techniques for sequencing, analyzing, and interpreting microbial DNA data. This course is ideal for those seeking to understand the complex interactions within microbial

communities and their impact on health and the environment.
GitHub: MGMA 2024

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 hazadous 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 LAnguage 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 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. Accurately finding and recognizing indicators is necessary for best results.
GitHub: Traffic Sign Detection project

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.
- I assist students with registering for Luu Phuc Loi's online bioinformatics course, helping them with the process and answering any queries they may have regarding the course material and format to ensure easy access and participation.
- Tour guides aboard the Nong Lam University - Chiang Mai university exchange ship lead students through marketplaces, temples, and culinary experiences while navigating between the cultures of Vietnam and Thailand.

LANGUAGE

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