

TRAN LY NHAT HAO

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EDUCATION

University of Science - Vietnam National University, Ho Chi Minh City, Vietnam

Bachelor of Science in Information Technology

Sep. 2023 – Sep. 2024

Current GPA: 8.1 / 10.0

Relevant courses: DSA, Computer Systems, Computer Network, Multivariable Calculus, Linear Algebra, Statistics, Discrete Structures, General Physics, Scientific Method

Hoang Le Kha High School for the Gifted, Tay Ninh Province, Vietnam

Specialization in Chemistry

Aug. 2020 – Aug. 2023

Overall Grade: 9.6 / 10.0

Participated in the National-level Chemistry Olympiad (VChO) (Nov. 2021 – Mar. 2023)

Relevant courses: Quantum chemistry, Thermodynamics, Kinetic chemistry, Analytical chemistry, Inorganic chemistry, Polymer chemistry, Organic chemistry, Biological Chemistry, Photochemistry

SKILLS

Programming Languages: C/C++, Python, Dart, JavaScript, TypeScript, Kotlin, LaTeX, Markdown, Shell

Frameworks: Tensorflow, Keras, scikit-learn, Flask, Starlette, Express

Tools: Postman, MongoDB, Flutter, JetBrains' IDEs, Neovim, Docker, WebAssembly, Mathematica, Maple, Matlab, Google Colab, Anaconda-Navigator

Machine Learning: Linear Regression, Polynomial Regression, Logistic Regression, Support Vector Machine, K-nearest neighbours, Naive Bayes, Decision Tree, Random Forest, basic Deep Learning process, Neural Networks

Languages: English (fluent, B2), German (beginner), Vietnamese (native speaker)

PROJECTS

CO2 - Forecasting Model, Ho Chi Minh City, Viet Nam

Topic: Forecasting model

Apr. 2024 – Ongoing

- This model is a linear regression model used to predict the concentration of CO2 in the air based on time-series data.

MAI - hackathon, Ho Chi Minh City, Viet Nam

Topic: Enhancing Public Healthcare Services

Dec. 2024 – Feb. 2024

- The project utilizes the scikit-learn, pandas, and joblib libraries to train a machine learning model using the Support Vector Machine (SVM) algorithm built to predict diabetes based on clinical information.
- The model utilizes data from an available dataset and has been trained on attributes such as the number of pregnancies, glucose concentration, blood pressure, skin thickness, insulin, BMI, diabetes pedigree function, and age.

OCR - Project, Ho Chi Minh City, Viet Nam

Topic: Optical Character Recognition

Nov. 2023 – Dec. 2023

- This project utilizes several technologies, including Keras and TensorFlow, for deep learning tasks. Specifically, it employs a pre-trained deep learning model, possibly YOLOv5, for object detection to locate the license plate region within the input image.
 - OCR (Optical Character Recognition) technology, facilitated by pytesseract, is applied to extract text information from the detected region.
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COURSES

- Mathematics for Machine Learning and Data Science Specialization (DeepLearning.AI)
 - Machine Learning Specialization (DeepLearning.AI)
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AWARDS

- Gold League (more 30000 points) - Google Cloud (membership) 2024 Mar. 2024 – Ongoing
 - Top 20 - GDSC Challenge (Solution Challenge Global) 2024 Jan. 2024 – Feb. 2024
 - Top 10 - GDSC Hackathon Vietnam (Ho Chi Minh City) 2024 Dec. 2023 – Feb. 2024
 - Top 25 - Vietnam Datathon 2023 Oct. 2023 – Dec. 2023
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ACTIVITIES

- The technical team member of the academic challenge competition Thach Thuc - Faculty of Information Technology - VNUHCM-US ([Thach Thuc](#))
- Participating in the VNOI CUP 2024 competition ([competition link](#))
- Participated in the AI in Medicine seminar by VietAI ([seminar link](#))
- Volunteer at the Google AI for the Future Career workshop
- QuanQuanGCP6 ([profile link](#))
- ChienBinhAndroid 2023