Trinh Van Quyet

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OVERVIEW

Position: ML/AI Engineering
Introduction:

- About 2 years of implementing DE and DS projects for several companies in Vietnam.
- Strong Teamwork skills.
- Able to learn new things and work independent.

EDUCATION

USTH - University of Science and Technology of Ha Noi 10/2022 – Present
Bachelor in Data Science

SKILL & CERTIFICATION

- **Programming skills:** Python, c/c++, R.
- **Databsase skills:** MySQL, PostgresSQL, MongoDB, Draw.io.
- **Visualization skills:** Matplotlib, Seaborn, Power BI.
- **Technical skills:** Data Manipulation and Analysis (Pandas, Numpy, Excel), Machine Learning & AI (Supervised & Unsupervised Learning Algorithms, Deep Learning Frameworks, Scikit-learn).
- **Certifications:**
  - 100 Days of Code: The Complete Python Pro Bootcamp (Udemy).
  - The Data Science Course: Complete Data Science Bootcamp 2024 (Udemy).

PROJECT

TRAFFIC SIGN RECOGNITION May – Oct 2023

- **Project Description:** Building and developing a Traffic Sign Recognition (TSR) model to enhance road safety by accurately detecting, classifying and interpreting traffic signs.
- **Technology:** YOLOv8, CNN, Tensorflow, GPU.
- **Outcome:** Developed a Traffic Sign Recognition model using the YOLOv8 architecture, achieving a high accuracy rate of 95% in detecting and classifying traffic signs across various categories (Prohibition, Direction, Warning, Command).

[USTH project] AN ACCURATE FACIAL RECOGNITION Sept 2024 – Present

- **Project Description:** This project is to create an application for student management. Specifically, we are creating a website that manages classes and applies machine learning to recognize human faces.
- **Technology:** Front-end (HTML, CSS, JavaScript), Back-end (Flask, Django, MySQL), Machine learning & AI (CascadeClassifier, HOG, SVMs).
- **Expected Outcome:** Create a simple and easy to use web application that works for most organizations that need a human management tool. A high accuracy AI. model that can learn and recognition human faces. Additionally, we are trying to improve the AI, so that it can recognition multiple faces in real-time for simpler attendance checking.

[USTH project] PM2.5 ANALYSIS AND PREDICTION Jan 2025 – Feb 2025

- **Project Description:** From real data provided by the Environmental Protection Sub-department of Hanoi to making ananlysis and building regression models that accurately predict PM2.5 levels.
- **Technology:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook.
- **Outcome:** Achieved high prediction accuracy with a model that helps forecast PM2.5 levels, supporting environmental decision-making and public health initiatives.