NGUYỄN TRÍ ĐAN

AI ENGINEERING INTERN

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CAREER GOALS

With the goal of learning and developing skills and knowledge in the field of machine learning, through internships in a professional environment.
I hope to apply the knowledge I learned from university and real-life projects to solve complex problems in the field of machine learning. Learn and work with experienced people, building a solid foundation to thrive in the field of AI

EDUCATION

Ho Chi Minh City University of Foreign Languages and Information Technology (HUFLIT).
Student majoring in Data Science (Sep 9, 2019 - Present).
GPA: 3.1.

PERSONAL PROJECTS

Sep, 2023 - Nov, 2023

Build traffic sign recognition software with CNN.
Problem description: Classify and detect the locations of 5 traffic sign objects from images.
Methods of implementation:

- Use and fine-tune pre-trained models built into Keras for the classification task.
- Use Detecto to train the model for the object detection task.
- Use Streamlit to build a traffic sign recognition interface.

Link github: https://github.com/ddan0606/Traffic-Sign-Recognition

Sep, 2023 - Nov, 2023

Building dog and cat classification software with VGG-16.
Problem description: Classify images as dogs or cats using the VGG-16 model.
Methods of implementation:

- Combining both Feature Extraction and Fine-Tuning techniques the pre-trained VGG-16 model is available in Keras for the image classification task.
- Use Streamlit to build a cat and dog classification interface.
- Evaluate the advantages and disadvantages of the VGG-16 algorithm.

Link github: https://github.com/ddan0606/Classification-DogCat-VGG16

Nov, 2023 - Oct, 2023

Data analysis with R language
Problem description: Perform data analysis with the Credit Card Fraud dataset with the purpose of creating a profile to predict credit card customers who may default.
Methods of implementation: Univariate Analysis, Bivariate Analysis and Correlation.

- Exploratory Data Analysis: Fit data to find patterns and outliers with the help of visualization with Univariate Analysis, Bivariate Analysis and Correlation techniques.
- Data preprocessing: Remove any errors such as spelling, identify unique values within a column, and make the data more meaningful by grouping it into groups.
- Create a prediction model with two models: Logistic Regression and Random Forest.

Link github: https://github.com/ddan0606/Data_Analysis_Credit_Card_R

HARD SKILLS

Programming Languages: Python, R, Java and JavaScript.
Machine Learning Frameworks: TensorFlow, Keras and scikit-learn.
Data Processing and Analysis: Excel, Pandas, NumPy, Matplotlib and Power BI.
Model Evaluation and Deployment: Knowledge of model evaluation techniques, hyperparameter tuning and deploying models in production environments.
Research and information filtering, communicate and read basic English.

SOFT SKILLS

Leadership skills, Teamwork, Detail orientation, Problem Solving, Initiative and Flexibility.