Anh Nguyen

AI/MLOPs Engineer

Ho Chi Minh City, Vietnam

Summary

B.S in Communication Engineering. Please find my research at
Google Scholar:

https://scholar.google.com/citations?
hl=vi&view_op=list_works&authuser=1&gmla=AJsN-
F4j37mY2-DI4gwVdHi-qqXr2mwqo2h8Ca6EXYiKalkpE6V-
mQn9x8X6QU3JYVwB3PqUzGxYBEu0dJMzerpO8nuKUKdVFf6sjUrRPy

Experience

MoMo (M_Service)
AI Engineer
August 2023 - Present (1 year 8 months)
Ho Chi Minh City, Vietnam

FPT Software AI Center
AI Engineer
August 2021 - March 2024 (2 years 8 months)
Ho Chi Minh City, Vietnam

AI/MLOPs Engineer

IC Design Lab at HCMUT
Research Assistant
August 2020 - July 2021 (1 year)
Ho Chi Minh City, Vietnam

- YOLOv3 Application In Recognising Personal Protective Equipment: The
project successfully develops a python based software platform used for
detecting personal protective equipment (Hardhat, Safety Vest) being worn
by workers in the construction. In this project, YOLOv3 model and standard
metrics, which are popular for object detection algorithms, are explored.
Moreover, the project is further deployed on Jetson nano kit, then providing a
complete solution for real-time applications.

- An Analysis of State-of-the-art Activation Functions For Supervised Deep Neural Network: This project is successful in indicating the impact of state-of-the-art activation functions such as: ReLU, ELU, SELU, GELU and ISRLU, on classification performance in deep neural networks with respect to supervised learning. In particular, these activation functions are evaluated with a multilayer perceptron (MLP) architecture with the benchmark MNIST dataset. Then, these are further evaluated with a VGGish-based architecture for classifying 10 sound scene context in DCASE 2018 challenge task 1A.

- Deep Learning Framework Applied For Predicting Anomaly of Respiratory Sounds: This project built an ensemble of CNN and Autoencoder networks for classifying anomaly of respiratory. We achieved very competitive performance on the benchmark ICBHI meta-dataset compared with the state-of-the-art systems.

- Sound Context Classification Basing on Join Learning Model and Multi-Spectrogram Features: This project build a deep learning based model used for Acoustic Scene Classification (ASC), the task of classifying scene contexts from environment input sounds. Our proposed system comprises front-end feature extraction and back-end classification. Our experiment results with benchmark datasets of IEEE AASP Challenge prove that our framework is general and robust for ASC task.

Education

Ho Chi Minh University of Technology
Bachelor's degree, Electrical, Electronics and Communications Engineering · (2015 - 2021)