CONTACT ME AT

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https://github.com/ansonnn07

https://www.kaggle.com/ansonnn

SKILLS

- Python programming & automation
- SQL
  - MySQL
  - Microsoft SQL Server
- Git and GitHub
- Spreadsheets and Microsoft Excel
- Data Analysis and Visualization with Python
- Web Scraping
- Machine Learning
  - Scikit-learn
- Deep Learning
  - Basics of Tensorflow & PyTorch
- Computer Vision
- Natural Language Processing
- Deployment
  - Docker
  - Web development with Flask
- Visual Studio Code IDE
- MATLAB
- Arduino

TAN CHEN TUNG

MASTER STUDENT - AI

My Portolio website: Link

PERSONAL PROFILE

I am a Master's Student that has just finished my thesis of research on AI for computer vision at Universiti Teknologi Malaysia, Kuala Lumpur (UTM KL). I am highly motivated to learn about Data Science to build things that can help the world, and I have high confidence on my problem-solving skills. By self-learning over the past two years, I have done several projects related to Data Science and hope to continue pursuing my career within this field.

NOTABLE PROJECTS

Master's Project (Completed)

Calf Posture Recognition with Machine Vision

In this project, I am required to build a monitoring system that can show the live updates of calf postures (standing or not) for dairy farms, which will be deployed soon on a Malaysia dairy farm. This system makes use of deep learning with computer vision to predict calf postures through camera feeds.

Integrated Vision Inspection System (IVIS) App

An application that allows users to perform most operations required for machine learning pipelines in the computer vision field.

This app was built with the help of some members from the company (SHRDC) where I did my internship for five months. The application has a user-friendly GUI that was built with Python and TensorFlow to allow users to carry out end-to-end machine learning pipelines for computer vision, from labeling until deployment. I gained a lot of industrial experience dealing with clients using the app to help deploy their system. The code is available here.

Anime Recommendation System

A recommendation system similar to Netflix, deployed as a website.

This project involved creating a recommendation system based on collaborative filtering using TensorFlow with Keras framework. The model is then incorporated into a website built using Flask, and deployed to a Google Cloud Platform's Virtual Machine instance so that it is accessible online here (until Sept 2021). The code is available here.

EDUCATIONAL HISTORY

Universiti Teknologi Malaysia

Bachelor of Mechanical Precision Engineering | Sept 2015 - Mar 2019
CGPA: 3.95

- Studied important statistical knowledge required for Data Science.
- In a capstone project of building an automated instant noodle vending machine, I was the leader tasked with combining the Arduino code for each of the different components of the machine into one module so that they work together.
- In my FYP, MATLAB was used to develop a multi-class SVM model using Dempster-Shafer's theory to overcome the limitation of SVM for multi-class classification.