DATE:10.11.2022
TEAM ID:PNT2022TMD50366

Project Objectives

❖ Augmenting a dataset to virtually increase the size of small datasets in order to make our machine learning models work better.

❖ Reprocess the images to a machine-readable format. Applying CNN algorithm on the dataset.

❖ How deep neural networks are predicting the class and subclass of a given image.

❖ You will be able to know how to find the accuracy of the model.

❖ You will be able to build web applications using the Flask framework.

Technical Architecture:

Image Data → Data Preprocessing

Train Set

Test Set

CNN Algorithm

Evaluation

Inputs

UI

Output

Model

User