

PROJECT DEVELOPMENT PHASE

IMAGE PROCESSING

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Image Preprocessing

In this milestone, we will be improving the image data that suppresses unwanted distortions or enhances some image features important for further processing, although performing some geometric transformations of images like rotation, scaling, translation, etc.

The Import ImageDataGenerator Library

Image data augmentation is a technique that can be used to artificially expand the size of a training dataset by creating modified versions of images in the dataset.

The Keras deep learning neural network library provides the capability to fit models using image data augmentation via the ImageDataGenerator class.

Let us import the ImageDataGenerator class from Keras

```
from keras.preprocessing.image import ImageDataGenerator
```