I am New to this topic

I done this Project in Jupyter Notebook

I created my model. Pre trained model is not used

**LIBRARIES USED:**

1. OS
2. Numpy
3. Mathplotlib
4. CV2
5. Pickle
6. Shuttle
7. scipy
8. skimage
9. random
10. sklearn
11. Tensor Flow
12. openpyxl

**STEPS:**

1. The images are moved to the directory of their classes.
2. The images are read, resized and changed into numpy array and appended to a list..
3. The images are rotated and used again to increase the total number of images.
4. The np array images are saved.
5. The data is in the format of [image, class].
6. Splitting the data into test and train using given train data.
7. Adding layers for input images.
8. Creating and Training the model and save it.
9. Predicting using the splited test data to get the accuracy.
10. The given test data is predicted and the output given by the machine is stored is the csv file
11. And the csv file is submitted

.ipynb file and the trained model is attached in the zip file