**Image Detection Algorithm Task for et3**

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GitHub:**[**https://github.com/AZ20100/Imaged\_Detection\_Task/tree/main/Image%20Detection%20algorithm**](https://github.com/AZ20100/Imaged_Detection_Task/tree/main/Image%20Detection%20algorithm)

A black rectangular object with a black strip

Description automatically generated

At the beginning of the code, I imported the needed libraries for the algorithm.

A screen shot of a computer program

Description automatically generated

Then I created the necessary functions to search for the images in folders and sub-folders, and   
Also to modify the images.  
  
A screen shot of a computer program

Description automatically generated

Then the next part is to extract the images from the folders and sub-folders and copy them to another folder. And here u need to replace the path of your **dairies** **(src\_folder)** folder which contains the folders and sub-folders which by the end contains the images. And replace the target folder **(targ\_folder)** which is going to contain the images as a copy.

A screen shot of a computer

Description automatically generated

After that the prefix section which modifies the name of the images which we already copied it into a new folder, and then list it as a comparison between the original name and the new name.

A screenshot of a computer program

Description automatically generated

Then the last part is to extract the name, size, and the last modification date for the image and then export them as a csv file containing the same data plus the type of modification happened on the image.

Here you also need to replace the csv path where you want to extract the csv file in your device.