We need pillow, requests, and selenium

Selenium – It allows us to automate our web browsers. Then we can go and click on all the images that you need to download, get their source and then download the image.

Requests – It is used to grab the data of the image that we need to download.

We are going to use haar cascade algorithm to keep the relevant images.

First you get the raw images. Then you get the cropped faces with 2 eyes using haar cacasde.

After that you do the manual data cleaning.

After that you do the wavenet transformation. Here you do the fearture engineering to extract the features from the cropped images in an effective way.

WE then use the Wavelet transformed images as well as the raw images and then we use the vertical stacking of raw and wavenet transformed images and train our model and then we hypertune it.

After that we save our model to a file. We write a python flask server around it and we will be serving that to our website.