Tools and Technology Required

* Jupyter Notebook
* Anaconda Navigator
* Python 3
* 4 GB Ram (Recommended)

First the python file will run which is Data Generator.py that will do pre-processing on the images and convert it into 2 folders in the dataset namely as -1)Masked Image and 2)Without Mask Image

There are 3 folders -1) Dataset 2)Training and 3)Classification

Dataset-In these folder there are 2 types of sub folders one with mask and other without mask for training the model

Training – In this there is ipynb file which is used to train our model and data.npy and target.npy these are the two numy file which we have generated from th DataGenerator.py file

Classification-In this there is our model cnn.h5 which we saved after training the model and there is ipynb filed LiveFaceDetection which is used to test the output