

Steps to run the Web Application :

1. Open the file "Web_Dep.ipynb" on google colab.
2. Upload the model file "**weights.h5**" from -
"<https://drive.google.com/drive/folders/1fGHfzyOrce0qwJAaRLwiBmyZV4HqwcYy>"
3. For music recommendations, upload the **Music Playlist** that we have created :
"<https://drive.google.com/drive/folders/15ss0TiXbPSAocpbXcojwliD4-t1NHg26>"
4. For movie recommendations, upload the **Movies_PlayList** that we have created :
"<https://drive.google.com/drive/folders/15ss0TiXbPSAocpbXcojwliD4-t1NHg26>"
5. For detecting the face, upload the file "**haarcascade_frontalface_alt2.xml**" from :
"<https://drive.google.com/drive/folders/1fGHfzyOrce0qwJAaRLwiBmyZV4HqwcYy>"
6. Now click on "Runtime" tab and then click on "Run all"
7. After you run all the cells, the last cell will show something like this :

* Running on <http://127.0.0.1:5000/> (Press CTRL+C to quit)
* Running on <http://f69e-35-199-26-52.ngrok.io>
* Traffic stats available on <http://127.0.0.1:4040>
8. Copy the second link "<http://f69e-35-199-26-52.ngrok.io>" and change http to https i.e. : "<https://f69e-35-199-26-52.ngrok.io>" and finally open it.
9. Now the web app will open.
10. The user has two input options - a. Either take the real-time image from webcam.
b. Or upload the image from local.
11. Select an option and input the image and click on See Recommendations button.
12. You will be redirected to the recommendations page where you can see the predicted emotion and based on it, the music & movie playlists.