**How To**

We created the program using Jupyter Notebook. In order to run the program, first download the models mentioned in the ‘Age and Gender Detection - Method and Techniques’ document onto your device. Save them in a folder and import it into the Jupyter Notebook.

The packages needed to run the program are cv2, and os. Before importing the cv2 package, we need to install open cv, which is done using the below code.

*pip install opencv-python*

OpenCV is a software program that focuses on image processing, video analysis, or computer vision. When it comes to analyzing photos and videos using advanced digital algorithms, OpenCV can assist developers tackle a variety of difficulties in different sector. The module includes strategies that are commonly used when, for example, recognizing faces. After receiving photos or videos as input, the module applies filters that convert them to boolean values, allowing features to be recognized using comparison functions based on shared characteristics.

To take a live video from your camera, run the program as it is. To take an image as input, comment those statements which have a comment ‘to read video’, and uncomment the statements which say ‘to read image’.