

LIST OF REQUIREMENTS

Project name: Age and Gender detection

Aim of the Project: This python project enables us to determine the gender and age of the people. Computer vision will help us to study the pattern and provides the result. But the views of computer limit itself to study the high-definition characteristics of human beings. The whole project is based on object recognition, video tracking, motion estimation, and image restoration

Software Requirement -Programming language – Python

Project Description: In this Python Project, we will utilize Deep Learning to precisely recognize the gender and age of an individual from a single image of a face.

1. **Python**-Python is easy to learn and work on with the language. It is broadly useful programming.
2. **OpenCV** -OpenCV is Open Source used for Computer Vision and Machine Learning library. This library is fit for preparing ongoing pictures and recordings while likewise flaunting explanatory capacities.
3. It bolsters the Deep Learning systems TensorFlow, Caffe, and PyTorch.
4. A **Convolutional Neural Network** is a profound neural system (DNN) generally utilized for the motivations behind picture acknowledgement and preparing and NLP.

Required Tools:

1. Python
2. Installing OpenCv – Python
3. Numpy library
4. Installing Pafy