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| Serial | Link | Used library | **Condition** | Description |
| 1 | <https://www.pyimagesearch.com/2018/06/18/face-recognition-with-opencv-python-and-deep-learning/> | CV2 | Missing and wrong code, access is not free | Predicting name from picture using knn-classification (Euclidean) |
| 2 | <https://www.pyimagesearch.com/2018/07/09/face-clustering-with-python/> | OpenCV | Same person’s post | Same as before but not the labels, so done by clustering |
| 3 | <https://docs.microsoft.com/en-us/azure/cognitive-services/emotion/quickstarts/python> | Face API | Need Subscription of Microsoft | Emotion recognition but needed subscriptions of Microsoft |
| 4 | <https://www.superdatascience.com/opencv-face-detection/> | OpenCV | Only Detection the face | Have some problem such as without a face in the picture it identifies a face. |
| 5 | <https://github.com/ageitgey/face_recognition/blob/master/examples/face_recognition_knn.py> | Face recognition | Dimensionalitz problem of data | Using knn |
| 6 | <https://www.analyticsvidhya.com/blog/2018/12/introduction-face-detection-video-deep-learning-python/> | Face recognition | Only Detection the face | From video to picture then identification |
| 7 | <https://datasciencelab.nl/face-recognition-with-python/> | Face recognition | From camera it can take photo and recognize the face | From picture library |
| 8 | <https://www.instructables.com/id/Face-Detectionrecognition/> | CV2 | From video it can crop photo and recognize the face | Face detection + recognition |
| 9 | <https://github.com/AISangam/Facenet-Real-time-face-recognition-using-deep-learning-Tensorflow> | Tensorflow, cv2 | Codeing file is missing | Depending on neural network |
| 10 | <https://github.com/davidsandberg/facenet> | Tensorflow |  |  |
| 11 | <https://scikit-learn.org/stable/auto_examples/applications/plot_face_recognition.html> | Manually | Only Detection the face | Eigen faces and SVN |
| 12 | <https://github.com/liuliu/ccv> | ccv |  | Modern Computer Vision Library |
| 13 | <http://www.cs.colostate.edu/evalfacerec/index10.php> | ANSI standard C |  | PCA, PCA+LDA, Bayes, Elastic Bunch Graph Matching Algorithm |
| 14 | <https://github.com/ShiqiYu/libfacedetection> | CNN Based |  | CPU should be Haswell microarchitecture |
| 15 | <https://github.com/tornadomeet/mxnet-face> | Mxnet face |  | Chinese university algorithm, approximately good |
| 16 | <https://hackernoon.com/building-a-facial-recognition-pipeline-with-deep-learning-in-tensorflow-66e7645015b8> | Tensorflow |  | Using SVM classifiers |
| 17 | <http://www.cs.colostate.edu/~vision/faceperf/FacePerf.html> | Haar-based face detection |  | It’s a benchmark,  Principal Components  Analysis, and Elastic Bunch Graph Matching |
|  | <https://www.bytefish.de/blog/gender_classification/> | Using Octave | In the code there have no access, password protected | Good identification |
|  | <https://docs.opencv.org/2.4/modules/contrib/doc/facerec/tutorial/facerec_gender_classification.html> | OpenCV | Level is given, just need to classify the level | Depending on Fisherface |
|  | <https://github.com/shivang8/Gender-Classifier-using-Convolutional-Neural-Network/blob/master/Gender%20CNN.ipynb> | CNN | Gender |  |
|  | <https://github.com/dim4o/gender-recognizer/blob/master/Gender%20Classification.ipynb> | PCA, SVM, LDA, Random Forest | Gender | Compared among themselves , SVM is better,  Eigen faces |
|  | <https://github.com/FengtongX/CE9010_project/blob/master/project_v5.ipynb> | PCA, KNN, SVM, Logistic Reg, NN | Gender | Compared with each other,  Eigen faces |
|  | <https://github.com/arunponnusamy/gender-classification> | Keras | Gender | Pre-trained |
|  | <https://github.com/LawrenceDuan/FaceScrub-face-recognition-and-gender-classification> | numpy | Gender | Linear regression using gradient descent method. |
|  | <https://github.com/arunponnusamy/gender-detection-keras> | Keras | Gender | CNN same same almost |
| Need to do | <https://medium.com/@CVxTz/predicting-apparent-age-and-gender-from-face-picture-keras-tensorflow-a99413d8fd5e> | Tensorflow | Gender, Age | 90 % accuracy |
|  | https://sefiks.com/2019/02/13/apparent-age-and-gender-prediction-in-keras/ | Keras | Gender, age | CNN, accuracy 97% using wiki data. Model is a little differ. |
|  | <https://github.com/devssh/GenderEthnicityDetector> | Pre trained | gender | From name to gender and ethnicity. Work well for india |
|  | https://resources.wolframcloud.com/NeuralNetRepository/resources/Gender-Prediction-VGG-16-Trained-on-IMDB-WIKI-Data | Cloud | Gender | Not free, CNN 16 layer, need high quality picture |
|  | <https://github.com/raunaqness/Gender-and-Age-Detection-OpenCV-Caffe> | Pre trained | Gender, age | copy of talhassner |
|  | <https://talhassner.github.io/home/projects/Adience/Adience-data.html> | same | same | 85.9 % accuracy, published paper from |
|  | <https://github.com/rameshjesswani/GenderClassification> | CNN | Gender | Accuracy 88.4% for wiki dataset |
|  | <https://github.com/acharles7/Gender-Classification/blob/master/Gender%20Classification.ipynb> | RandomForest | Name to Gender | Accuracy is 83%  Name data is given |
|  | <https://github.com/mandalbiswadip/genderPrediction> | RNN, pre trained | Indian name to gender | Name data is given |
|  | <https://github.com/vijayanandrp/NameGenderPredictor> | Naïve Bayes | American name to gender | Accuracy 82 % |
|  | <https://github.com/jolly28/Face-Gender-Recogonition/tree/master/backend> | CNN | Image to gender | 3 layers |
|  | <https://github.com/ishaanrajiv/name-gender-prediction> | CNN | Name to gender | No info |
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