

Real time Output with different Age Groups-

The image displays two screenshots of a real-time age and gender detection application running in a Python IDE (likely PyCharm).

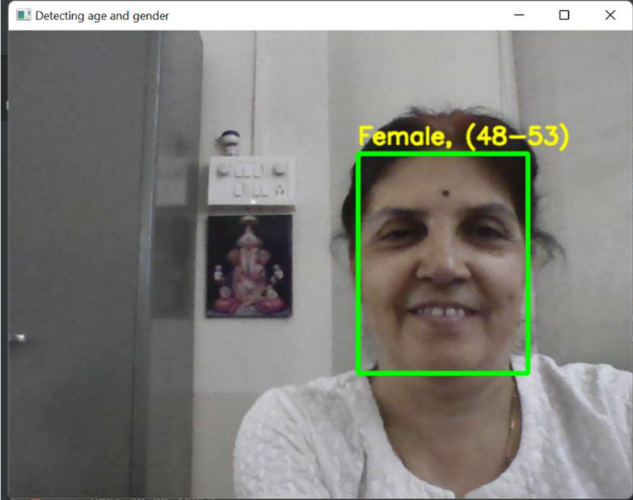
Top Screenshot: The application window shows a video feed of a woman. A green bounding box is drawn around her face, and the text "Female, (38-43)" is overlaid in yellow. The console on the left shows the output: "Gender: Female" and "Age: 38-43 years". The code editor on the right shows the following Python code:

```
def detectFace(frame):
    # Detect face
    faceNet = cv2.CascadeClassifier('haarcascade_frontalface_default.xml')
    faces = faceNet.detectMultiScale(frame, scaleFactor=1.1, minNeighbors=5, minSize=(30, 30))
    for (x, y, w, h) in faces:
        # Draw rectangle around face
        cv2.rectangle(frame, (x, y), (x+w, y+h), (255, 0, 0), 2)
        # Detect gender and age
        gender, age = detectGenderAge(frame[y:y+h, x:x+w])
        # Print gender and age
        print(gender, age)
    # Return the frame with bounding box
    return frame
```

Bottom Screenshot: The application window shows a video feed of a man. A green bounding box is drawn around his face, and the text "Male, (38-43)" is overlaid in yellow. The console on the left shows the output: "Gender: Male" and "Age: 38-43 years". The code editor on the right shows the following Python code:

```
def detectFace(frame):
    # Detect face
    faceNet = cv2.CascadeClassifier('haarcascade_frontalface_default.xml')
    faces = faceNet.detectMultiScale(frame, scaleFactor=1.1, minNeighbors=5, minSize=(30, 30))
    for (x, y, w, h) in faces:
        # Draw rectangle around face
        cv2.rectangle(frame, (x, y), (x+w, y+h), (255, 0, 0), 2)
        # Detect gender and age
        gender, age = detectGenderAge(frame[y:y+h, x:x+w])
        # Print gender and age
        print(gender, age)
    # Return the frame with bounding box
    return frame
```

Detecting age and gender



Female, (48-53)

Gender: Female
Age: 48-53 years
Gender: Female
Age: 48-53 years
Gender: Female

Run | TODO | Problems | Terminal | Python Packages | Python Console

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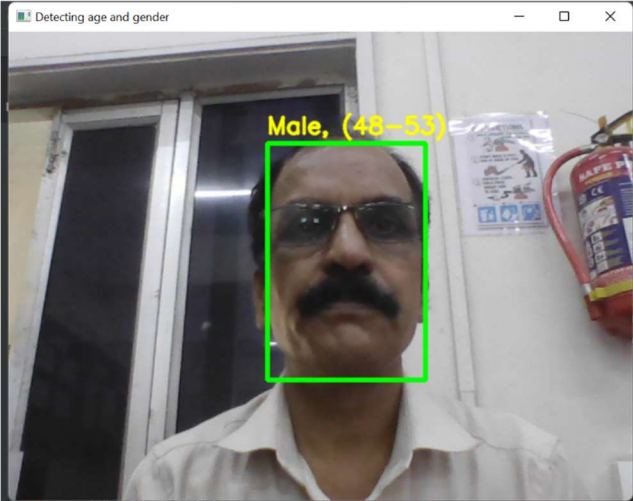
1:25 PM 5/19/2022

```
...Text"
...del"

3, 87.7689143744, 114.895847746)
(12)', '(15-20)', '(25-32)', '(38-43)', '(48-53)', '(60-100)']

...ageProto)
...rModel_genderProto)
...eL_faceProto)
```

Detecting age and gender



Male, (48-53)

Gender: Male
Age: 48-53 years
Gender: Male
Age: 48-53 years
Gender: Male

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```
...Text"
...del"

3, 87.7689143744, 114.895847746)
(12)', '(15-20)', '(25-32)', '(38-43)', '(48-53)', '(60-100)']

...ageProto)
...rModel_genderProto)
...eL_faceProto)
```

Detecting age and gender

Male, (38-43)

Gender: Male
Age: 38-43 years
Gender: Male
Age: 38-43 years

```
...text"
...del"
...3, 87.7689143744, 114.895847746)
...12)', '(15-20)', '(25-32)', '(38-43)', '(48-53)', '(60-100)']
...ageProto)
...Model_genderProto)
...eL_faceProto)
```

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Detecting age and gender

Female, (25-32)

Gender: Female
Age: 25-32 years
Gender: Female
Age: 25-32 years

```
...text"
...del"
...3, 87.7689143744, 114.895847746)
...12)', '(15-20)', '(25-32)', '(38-43)', '(48-53)', '(60-100)']
...ageProto)
...Model_genderProto)
...eL_faceProto)
```

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Detecting age and gender

Male, (8-12)

Gender: Male
Age: 8-12 years
Gender: Male
Age: 8-12 years

```
print("Age: 8-12 years")
print("Gender: Male")
print("Age: 8-12 years")
print("Gender: Male")
print("Age: 8-12 years")
```

Run selected configuration

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Detecting age and gender

Male, (15-20)

Gender: Male
Age: 15-20 years
Gender: Male
Age: 15-20 years

```
print("Age: 15-20 years")
print("Gender: Male")
print("Age: 15-20 years")
print("Gender: Male")
print("Age: 15-20 years")
```

Run selected configuration

45:24 LF UTF-8 4 spaces Python 3.9

3:01 PM 6/3/2022

