

File Explorer:

- PEOPLE-COUNTER
  - captured\_faces
    - person\_2.jpg
    - person\_3.jpg
    - person\_4.jpg
    - person\_5.jpg
    - person\_6.jpg
  - embeddings
    - person\_1.npy
    - person\_2.npy
    - person\_3.npy
    - person\_4.npy
    - person\_5.npy
    - person\_6.npy
  - processed
    - 6e064ac1c1154db1b...
    - 91c6139862d84263...
    - ee01afab38cb4467...
  - static
    - templates
      - index.html
    - upload.html
  - uploads
    - 9f671af1c93d942f1a...
    - b3708bcccb64d33...
    - faef5ae7c5ca4c53a...
- main.py
- requirements.txt
- tracker.py
- yolov8n.pt
- yolov8s.pt

```
# main.py > ...
# main.py
1 #!/usr/bin/env python
2 import os
3 from fastapi import FastAPI, Request, UploadFile, File, Form
4 from fastapi.responses import StreamingResponse, HTMLResponse, FileResponse, RedirectResponse
5 from fastapi.staticfiles import StaticFiles
6 from fastapi.templating import Jinja2Templates
7 from detector import generate_frames, people_count_current, process_frame
8 import shutil
9 import cv2
10 import uuid
11
12 app = FastAPI()
13 app.mount("/static", StaticFiles(directory="static"), name="static")
14 templates = Jinja2Templates(directory="templates")
15
16 # streaming generator wrapper
17 @app.get("/", response_class=HTMLResponse)
18 def index(request: Request):
19     return templates.TemplateResponse("index.html", {"request": request})
20
21 @app.get("/video_feed")
22 def video_feed():
23     return StreamingResponse(generate_frames(), media_type="multipart/x-mixed-replace; boundary=frame")
24
25 @app.get("/count")
26 def get_count():
27     return {"count": people_count_current()}

INFO: Shutting down...
INFO: Waiting for application shutdown.
INFO: Application shutdown complete.
INFO: Finished server process [9193]
INFO: Stopping reloader process [9193]
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
part@Parths-MacBook-Air:~/people-counter% docker ps
part@Parths-MacBook-Air:~/people-counter% docker -a
unknown shorthand flag: 'a' in '-a'
Usage: docker [OPTIONS] COMMAND [ARG...]
Run 'docker --help' for more information
part@Parths-MacBook-Air:~/people-counter% docker images
```

IMAGE	ID	DISK USAGE	CONTENT SIZE	EXTRA
people-counter:latest	6053450515cf	4.27GB	1.29GB	U
postgres:15	24d4c296ba8	654MB	16MB	
qdrant/qdrant:latest	db66de327fb2	565MB	152MB	

Ln 1, Col 1 Spaces: 4 UTF-8 LF () Python ⚡ 3.9.6 Go Live Prettier

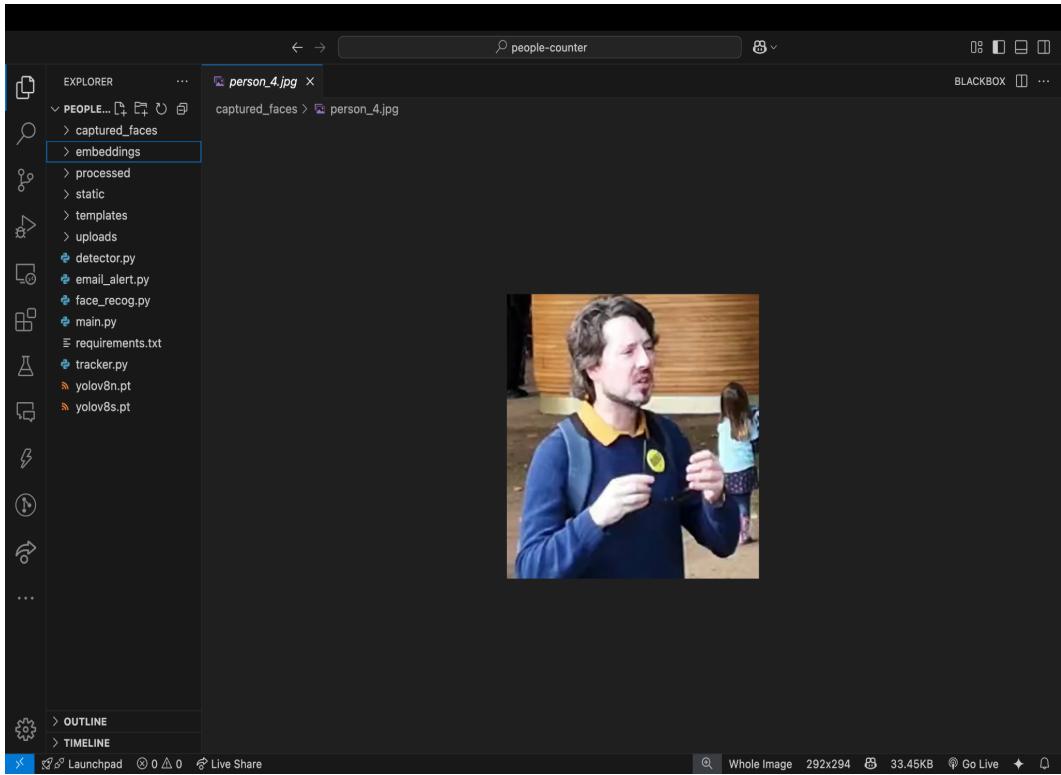
The screenshot shows a terminal window with the following text:

```
0: 384x640 1 person, 74.7ms
Speed: 2.7ms preprocess, 74.7ms inference, 1.3ms postprocess per image at shape (1, 3, 384, 640)
^CINFO: Shutting down
INFO: Waiting for application shutdown.
INFO: Application shutdown complete.
INFO: Finished server process [91935]
INFO: Stopping reloader process [91933]
```

The terminal is running on a Mac OS X system, as indicated by the window title "Terminal" and the system icons in the top right corner.

The screenshot shows the VS Code interface with the following details:

- EXPLORER** view: Shows the project structure under "PEOPLE-COUNTER". It includes subfolders like "captured\_faces" containing "person\_1.jpg" through "person\_6.jpg", "embeddings", and "processed". There are also files like "requirements.txt", "detector.py", "email\_alert.py", "face\_recog.py", "main.py", "tracker.py", and two YOLO model files ("yolov8n.pt" and "yolov8s.pt").
- EDITOR** view: Displays the content of "email\_alert.py". The code defines a function "send\_email\_alert" that uses the smtplib module to send an email alert if the current unique person count exceeds a threshold. It includes imports for smtplib and MIMEText, and defines constants for ADMIN\_EMAIL, SENDER\_EMAIL, APP\_PASSWORD, and the subject of the email.
- PROBLEMS** view: Shows no errors or warnings.
- OUTPUT** view: Shows logs from the application. The logs indicate a frame size of 384x640, processing 1 person in 74.7ms, and performing inference and postprocess steps. It also shows the application shutting down and stopping related processes.
- TIMELINE** view: Shows a timeline of events.
- STATUS BAR**: Shows the file path "people-counter", the line number "Ln 1, Col 1", spaces used "Spaces: 4", encoding "UTF-8", line separator "LF", Python version "3.9.6", and "Prettier" status.



docker desktop PERSONAL

Ask Gordon BETA

Containers

Images Give feedback

Local My Hub

2.97 GB / 1.08 GB in use 3 images

Last refresh: 9 hours ago

Search

Name	Tag	Image ID	Created	Size	Actions
qdant/qdant	latest	dab0de32f7b2	5 days ago	565.25 MB	
postgres	15	24d6c206bb8	21 days ago	654.22 MB	
people-counter	latest	6953450515cf	4 hours ago	4.26 GB	

Showing 3 items

Resource Saver mode RAM 0.00 GB CPU 0.00% Disk: 10.10 GB used (limit 223.63 GB)

Terminal v4.54.0

People Counter - Live

127.0.0.1:8000

## People Counting Dashboard (Identity-aware)

Live | Upload Video

Unique People: 5