Keywords to Remember:
- Protocols:
  - WiFi
  - HTTP/HTTPS, GET and POST request
  - UART
- Modules:
  - ESP32 (+CAM)
  - FTDI Module (for UART communication and powering ESP)
  - ILED, BUZZER, DOOR lock
  - Single channel relay (for powering and controlling door lock with esp)

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- Connections:
    - UART : Enable communication between our python code(or server) and ESP, when python code detect the person, it will esp message to esp via UART
    - Buzzer, LED, DoorLock - GPIO PIN 13 of ESP

- Steps to run:
    - First power the ESP and door lock
    - Then connect wifi to your system/laptop
    - Connect internet via USB TETHERING to your laptop
    - Run python code
        - Go to folder containing python code
        - Right click -> select open in command prompt -> enter this code : python server.py
- Python Libraries used:
    - For UART communication : serial (import serial)
    - For processing image, drawing boundary boxes, capturing video stream : OpenCV (import cv2)
    - **For face recognition** : `insightface's FaceAnalysis`
    - `For sending telegram messages : Telegram API (from telegram import Bot)`
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