



Agastyn Jay  
Manivannan's

Face Emotion  
Recommendation Detection  
System - FERDS

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# Agenda

- Introduction
- Internship Journey
- My App
- Demo Video
- Toolkit Walkthrough
- Thank you/My Contacts



# Introduction



Hi, I am Agastyn. I am 11 years old and I am from India, but live in Dubai. I started my journey as a coder in the start of 2020





## Internship journey

- My internship journey so far was amazing. The teachers where giving feedback about my work and responding very quickly when I had a doubt

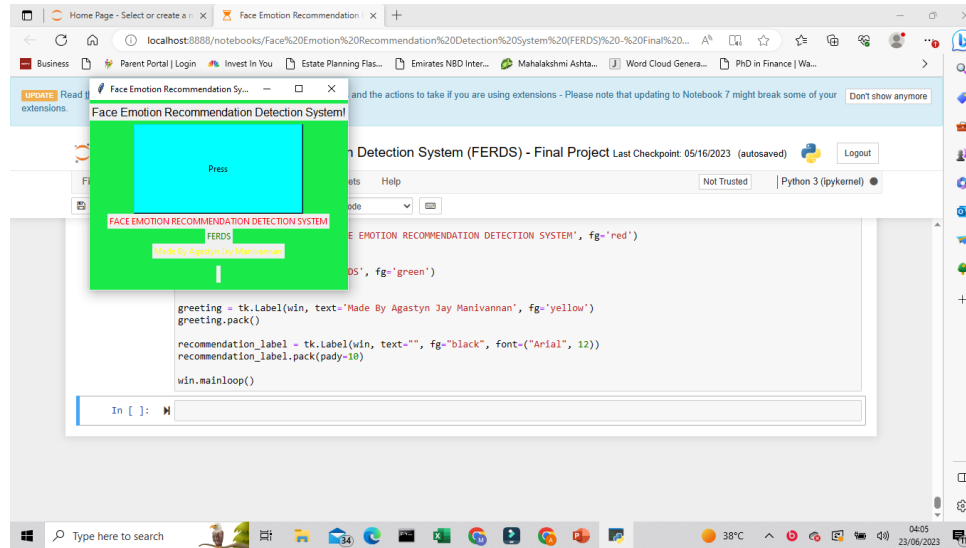


## About App/Usage of the App

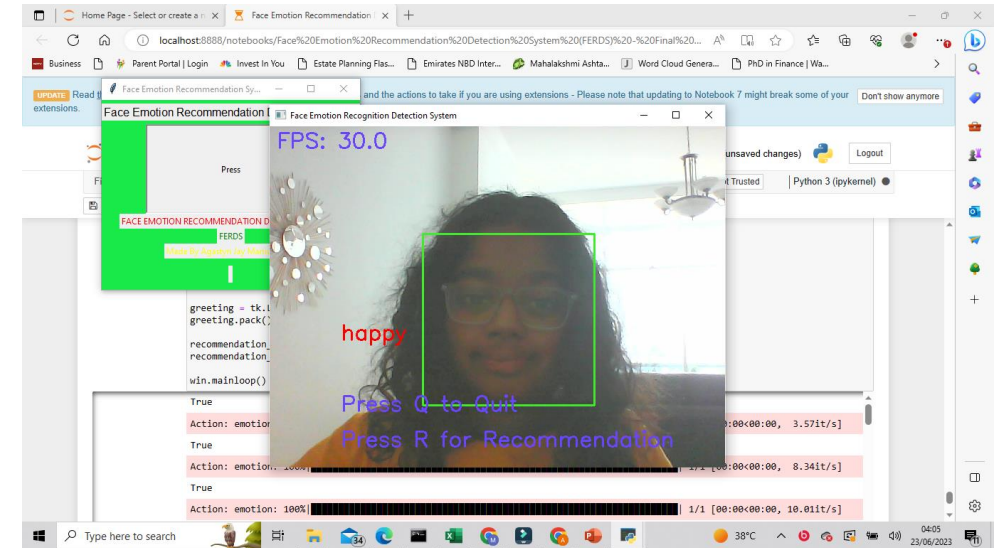
My app is a Face Emotion Recommendation Detection System (FERDS) that starts with a introduction page (made by Tk), then moves on to the live video feed (camera) then goes to the recommendation if you where happy, sad, etc..



# Steps of UI



1. Run the system  
and it will show the  
start page.

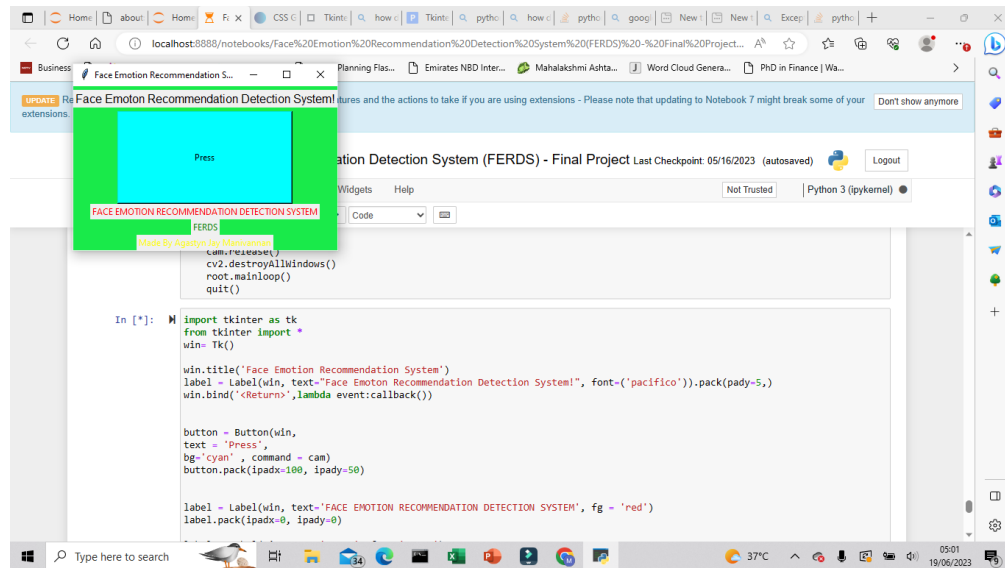


2. Click 'Press' and it will start  
running the live video feed,  
where it will show the emotion  
as well.

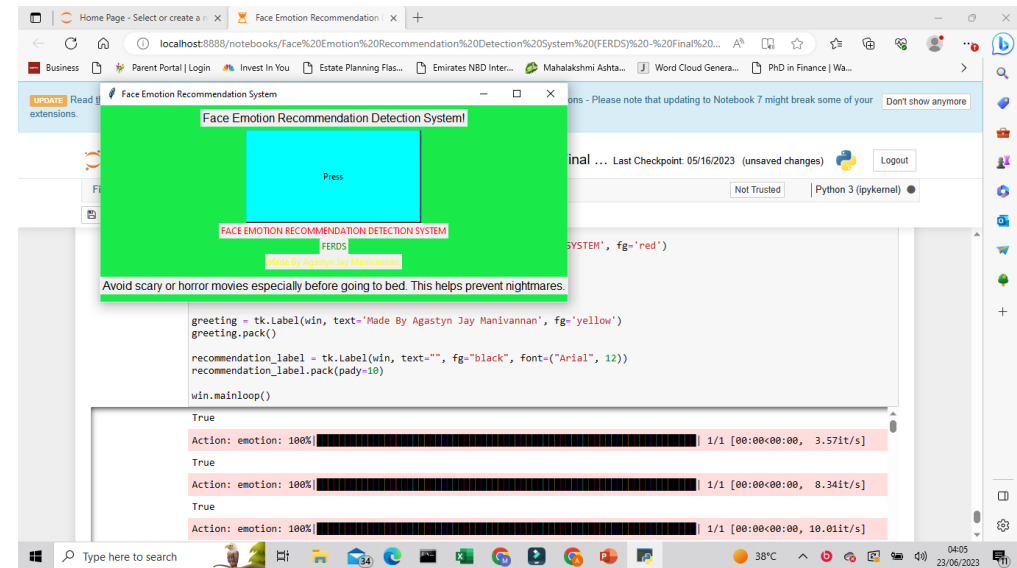




# Steps of UI



3. If you press Q for quit, the video feed will break .



4. If you press R for recommendation, You will get your recommendation if you where happy, sad, etc...

# Demo video

A screenshot of a Jupyter Notebook interface. The browser address bar shows 'localhost:8888/notebooks/Face%20Emotion%20Recommendation%20Detection%20System%20(FERDS)%20-%20Final%20...'. The notebook title is 'Face Emotion Recommendation Detection System (FERDS) - Final ...'. The code cell contains the following Python code:

```
win.mainloop()
False
```

A red error message box is displayed over the code, containing the following text:

```
Exception in Tkinter callback
Traceback (most recent call last):
  File "C:\Users\HP\AppData\Local\Programs\Python\Python39\lib\tkinter\__init__.py", line 1892, in __call__
    return self.func(*args)
  File "C:\Users\HP\AppData\Local\Temp\ipykernel_9212\4024374478.py", line 16, in cam
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
cv2.error: OpenCV(4.7.0) D:\a\opencv-python\opencv-python\opencv\modules\imgproc\src\color.cpp:182: error: (-215:Assertion failed) !_src.empty() in function 'cv::cvtColor'
```

The Jupyter interface also shows a 'Not Trusted' warning and a 'Python 3 (ipykernel)' label. The Windows taskbar at the bottom shows the date and time as 04:14 on 23/06/2023.





# Toolkit Walkthrough





Thank you



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