

Face Recognition Attendance Marking System

User Manual

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Acknowledgements

I would like to thank my parents, mentors and Mr. Ken for giving me this opportunity to make this project.

About Me..



My name is Aryan Agarwal. I'm studying in grade 10 in Modern School Vasant Vihar New Delhi. I love playing video games, which is what got me interested in AI. I also enjoy reading fiction and playing the piano.

About My Internship Journey with Clevered..

My internship journey with Clevered was an amazing experience. I got to create a fun AI project and improve my proficiency with python and coding as a whole. It was very engaging to fix the bugs in the code along with my mentor.

About App..

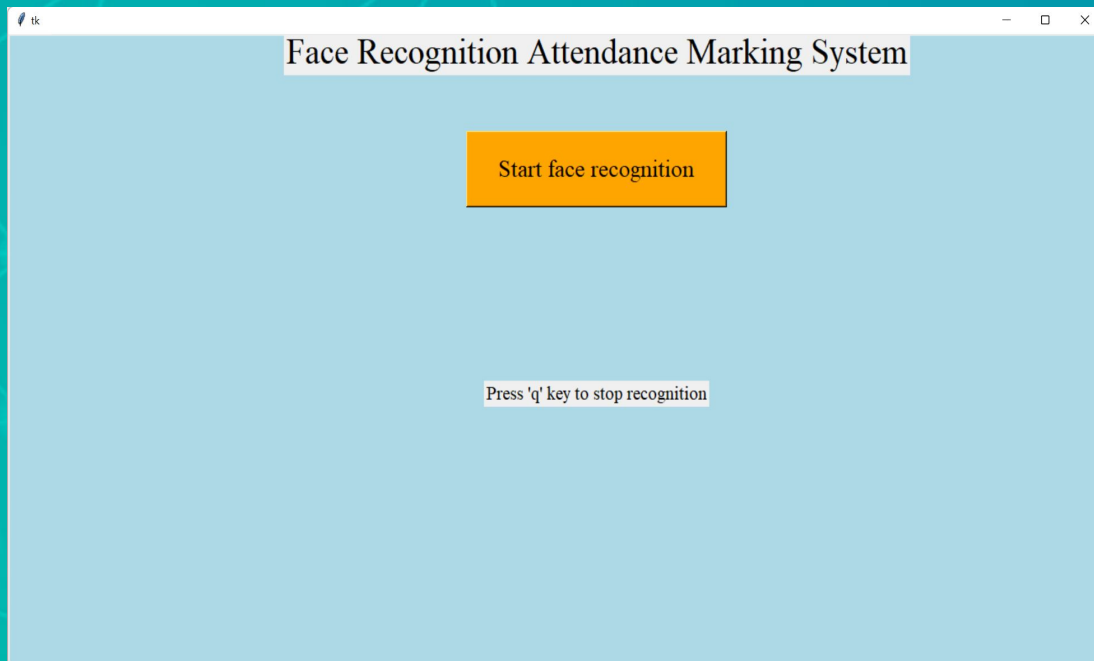
My app is an attendance marking system which uses face recognition. Instead of manually having to mark attendance, it can recognise a person using a camera and automatically mark attendance. It can also recognise the person if they're wearing glasses or have grown a beard.

The app's main menu has a button which starts face recognition and also instructions on how to stop it.

How do I use the App?

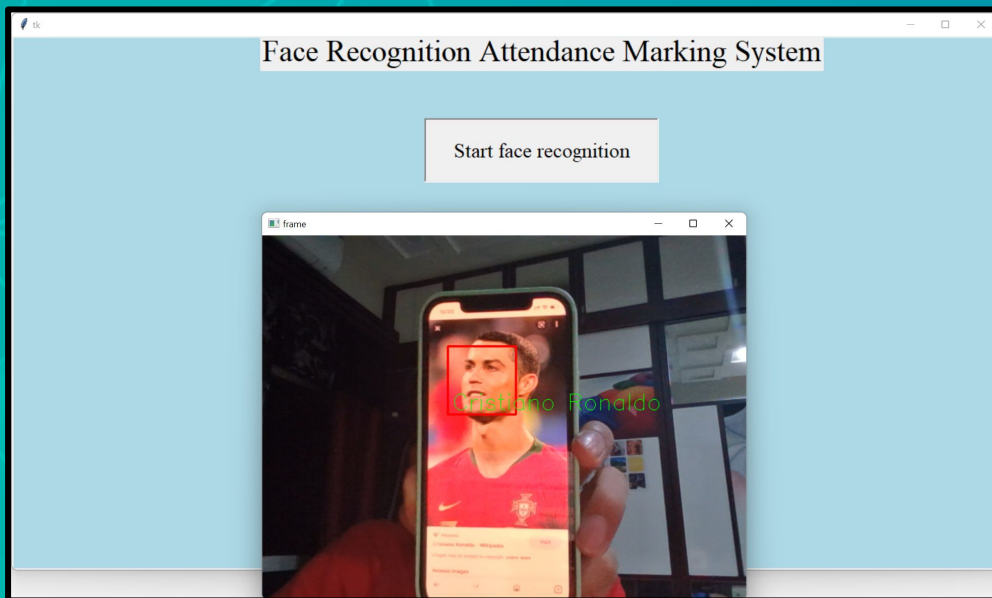
- Before running the program, you should have the python file, the csv file for attendance marking and the images folder with the images of the people whose attendance is to be marked at the same location on your system.
- In the images folder, use the person's name as the file name since the file name is what is written in the csv file and displayed on the camera.
- Make sure to name the CSV file as "Attendance.csv" and the images folder as "Training images".

Main Screen



- This is the main screen of the app.
- Simply click on the “Start face recognition” button to start recognition.
- After you start recognition, you can press the “q” key on your keyboard to stop recognition

Camera Window



- After clicking on the button, a small window will appear, which will display the camera. If it recognises the person it will display the name next to the face and mark attendance in a csv file.
- If the person is not recognised, it will show "Image not found".

CSV File

1			
2			
3			
4			
5	Cristiano Ronaldo	15-May-22	16:12:03
6			
7			
8			
9			
10			

- This is the CSV file where the attendance is marked.
- It will show the name of the person in one column, date in the second column and time in the third column.
- It will only mark attendance for the same person once.

Contact Person

Please reach out to me on my email in case of any questions, concerns or suggestions.

Email: aryan.agarwal.india@gmail.com

The background of the slide is a solid teal color. Overlaid on this background is a network diagram consisting of numerous small, light-blue circular nodes. These nodes are interconnected by thin, light-blue lines, creating a complex web of connections that is denser on the left side and more sparse on the right. In the center-right portion of the slide, there is a rectangular yellow box with a thin black border. Inside this box, the text "Thank you!" is written in a bold, black, sans-serif font.

Thank you!