FACE EMOTION DETECTION AND SONG RECOMMENDATION APP

USER MANUAL

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ACKNOWLEDGEMENTS

- A **big vote of thanks** to all those who have helped me in this journey of app development

- Firstly, I thank **Clevered** for providing me a platform for expressing my talents.

- Secondly, I thank the **mentors** for guiding and supporting me throughout this journey.

- Lastly, I thank my **parents** for enrolling me in this Internship program and for their support to shape me to a better individual.

About Me

- **Name**: Taufeeq Raji

- **Nationality**: India

- **Age**: 16

- **Class**: 11th , Abu Dhabi Indian School

- **Interested** in Artificial Intelligence as it enhances the speed, precision and effectiveness of human efforts. Mathematics can be used in an amazing way with Artificial Intelligence. Mainly interested in the software section of Computer science.

- **Other interests**: Sports, specifically cricket.

ABOUT MY INTERNSHIP WITH CLEVERED

- I have so far attended all the sessions of this Internship program.

- This internship journey so far has given me good understanding on AI concepts like deep learning and machine learning and I have acquired experience in using artificial intelligence along with Python.

- I have received knowledge on speech, text and image recognition, analyzing data and also basic coding structure from these internship classes.

APP INTRODUCTION

- **Name of the app** – Face Emotion Detection and Recommendation App

- **About the app** – In this app, I have constructed a real time face emotion and gender detection app in which we will be able to detect emotions and gender in real time and on the basis of that, the app will give suitable recommendations.

- **Day-to-Day Application** – Facial expressions and other gestures convey nonverbal communication cues that play an important role in interpersonal relations. It is useful and important for security purposes such as fraud-detecting in banks and also in supermarkets to study the feedback of the customers using face emotions.

- Nowadays, during the times of pandemic, written surveys are not encouraged in most of the sectors. Instead, facial expressions can be used to take surveys for feedbacks.

APP USER MANUAL

1. Firstly, enter your name in the provided input box.

2. Next, click on the 'Capture Emotion' button in the GUI in order to capture the emotion. The camera will start functioning.

3. Once the recognized emotion is displayed in the camera frame, press 'q' on your keyboard to stop the functioning of camera and the recognized emotion will be displayed as **Dominant emotion** label and recognized gender will also be displayed as **Gender** label.

4. Based on the captured emotion or gender, we need to click the appropriate button (Gender or Emotion) and then song will start playing based on our choice.

5. In order to stop the song, click on the 'Stop Music' button and then the song stops playing.

EMOTIONS THAT CAN BE RECOGNIZED:

- Happy

- Sad

- Surprised

- Fear

- Angry

- Neutral

DESIGN USER INTERFACE

Emotion Detection and Song Recommendation :

Name :

Capture Emotion

Play Music By:
- ○ Gender
- ○ Emotion

Gender : (Detected Gender)

Dominant Emotion : (Detected Emotion)

Stop Music

Image of the GUI – Sample Input

CONTACT PERSON

- In case of any queries, concerns, suggestions, complaints or feedbacks on this app, kindly reach out to the below concerned person:

    Name – Taufeeq Raji

    Email ID – raji.taufeeq@gmail.com

- We will definitely do the best to clarify your queries at the earliest and will consider your suggestions for this app.

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