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HUMAN VOICE TONE ANALYSIS PREDICTION USING SONG RECOMMENDATION TO COLLEAGUE

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ABSTRACT:
Music is a basic piece of our lives. However, because social media platforms like Instagram and TikTok have such a significant impact on worldwide music charts, users are only exposed to mainstream music. As a result, recommendations on music streaming platforms are not particularly personalized. A tune and feeling based proposal framework allows the clients to pay attention to music in light of their feelings. Existing frameworks use sound signs utilizing the CNN approach and cooperative sifting to suggest melodies in view of the client's set of experiences. The proposed research work fosters a customized framework, where the client's ebb and flow feeling is broke down with the assistance of the chatbot. The talk bot recognizes the client's opinion by posing a few general inquiries. In view of the info given by the client, current inclination or state of mind is broke down by the visit bot and it will create the playlist. The APIs for playlist generation and recommendation are utilized in the proposed recommendation system.
Key Words: Chatbot, API, Framework.

1. INTRODUCTION

Regular, every single individual under goes part of difficulties and the reliever of all the pressure that are experienced is Music. Assuming it is in this way, the fundamental piece of hearing the tune must be in a worked with way, that is player ready to play the melody in understanding to the individual's state of mind. Emotion-based music player is the name given to the player that is proposed in the paper. The ability to recognize a person's emotions is thought to be universal, despite the fact that people's abilities vary. Knowledge-based, statistical, and hybrid methods are depicted as the various approaches to the classification of existing emotions. However there depends a few challenges while recovering the music data, for example, questioning by singing, kind order, and so on. The most conceivable execution is by creating music idea that depends on the substance. The different endeavors to identify and depict the inclination, to characterize in light of elements are undeniably needed to get extraordinary music proposal framework. For depicting a music scientific categorization, an inclination descriptor is viewed as helpful

2. LITERATURE SURVEY

Face Detection and Facial Expression Recognition System

AUTHOR: Anagha S.Dhavalikar, and Dr. R. K. Kulkarni,

A human-PC collaboration framework for a programmed face acknowledgment or look acknowledgment has drawn in expanding consideration from specialists in brain research, software engineering, semantics, neuroscience, and related disciplines. In this paper, a Programmed Look Acknowledgment Framework (AFERS) has been proposed. The proposed strategy has three phases: a) face detection, b) feature extraction, and c) recognition of facial expressions Skin color detection using the YCbCr color model, lighting compensation to achieve uniformity on the face, and morphological operations to preserve the necessary face portion make up the first phase of face detection. The result of the principal stage is utilized for extricating facial elements like eyes, nose, and mouth utilizing AAM (Dynamic Appearance Model) technique. The third stage, programmed look acknowledgment, includes basic Euclidean Distance technique. In this technique, the Euclidean distance between the component points of the preparation pictures and that of the question picture is looked at. In view of least Euclidean distance, yield picture articulation is chosen. Genuine acknowledgment rate for this technique is around 90% - 95%. Further alteration of this technique is finished utilizing Counterfeit Neuro-

Fluffy Induction Framework (ANFIS). When compared to other approaches, this non-linear recognition system achieves a recognition rate of around 100%.

3. SYSTEM ANALYSIS AND DESIGN

EXISTING SYSTEM :

Visit bots can deal with fundamental inquiries: Talk bots are as yet an essential Man-made brainpower innovation thus they can respond to the fundamental inquiries of clients and give general data that is now accessible to them. They can't tackle confounded inquiries or reply out of content inquiries and organizations need to have human client care workers that can deal with these for them. However, this is changing over time, and more and more sophisticated chatbots are currently entering the market. Chatbots are challenging to develop: Visit bots are made utilizing Normal Language Handling which is incredibly famous for client care applications. Normal Language Handling is a piece of AI which can be utilized to collaborate with the clients in text based structure and settle their questions. Nonetheless, this requires complex programming and is difficult for organizations. This turns out to be particularly troublesome assuming organizations need to make visit bots without any preparation and for that reason numerous web-based stages assist organizations with building and oversee talk bots without any problem.

DISADVANTAGES OF EXISTING SYSTEM :

1) A lower level of accuracy

PROPOSED SYSTEM :

A deep learning-based emotion detection model based on voice pitch has been developed for this project, and the Chatbot will suggest songs based on the user's emotion pitch. The chatbot will ask the user to record his voice, analyze his pitch to identify his emotions, and then recommend songs based on those emotions.

The proposal model is able to identify eight distinct feelings, including contentment, calm, and neutral, which we classify as happy and suggest as JOSH songs. This model will foresee different feelings like Miserable, Furious, dreaded, revulsion and shock which are thinking about client as in Miserable temperament and recommending Blissful tunes.

ADVANTAGES OF PROPOSED SYSTEM:

1) High exactness
2) High proficiency

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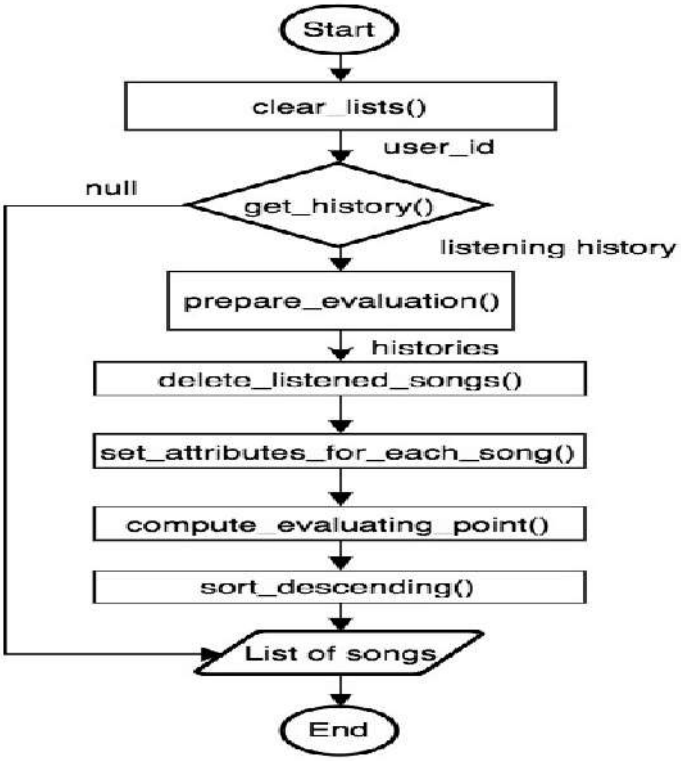
System Architecture



CONCLUSION

We have introduced a study and procedure for building the talk bot melody recommender framework. Toper structure this, we initially recognized different methodologies for building a talk bot known to date. We then assessed the considered calculations which are valuable in working of our framework as far as their capacity to chip away at the proposal cycle ofthe framework. We likewise assembled every one of the necessities required for building our framework and concentrated on the general cycle engaged with chatbot's working. Ultimately we summed up the organization prerequisites of our framework. In conclusion, our "Chat bot Song Recommender System" is used to automate and improve the music player experience for physically challenged individuals. The application meets the fundamental requirements of music listeners without causing them any problems like other applications do.

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