Project

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MonkeyCanCode edited this page 6 minutes ago · 3 revisions

Source Code

Video

Introduction

In this project we This project can be divided into three parts: emotion analytics from face image, face recognition with name mapping, and sentiment analysis from tweets.

Objectives

As social media is getting more and more popular, humans express their emotions, thoughts, and feelings via text, emojis, like/dislikes, and selfie on social media. It is important to understand the true meaning behind these data populated by social media users. For our group project, we want to create an IoT hardware-based system which will have the ability to the emotion of a person from their face image and emotion of that person from their social media account (e.g. analysis the semantics of the tweets sent by that person). Also, we want to identify a person from the face image.

Member Contribution

We did this one together, so each member will have same contribution.

Approaches/Methods

More in the report.

Workflow

More in the report.

Circuit Diagram

More in the report.

Additional images

More in the report.

Evaluation & Discussion

It is an interesting project and we got to play with some cool technologies.

Conclusion

We finished all of the required features given by Sayed. It is a pretty interesting project and we would like to continue work on this project during our spare time. For future work, we want to integrate all three parts together into one system and provide a more user-friendly interface for users to use. Also, we will need to improve the accuracy of the model for determining the mood of a person from images.

ICP3

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Lab1

Lab2

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https://github.com/MonkeyCanCode/IOT.wiki.git
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