EMOJIFY: Create your emoji

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Introduction

We will build a neural network to recognize facial emotions. then we will map these emotions with the corresponding emojis or avatars.

Way of Approach

- Task 1: Importing Packages
- Task 2: Initializing the training model
- Task 3: Building the network architecture
- Task 4: Training the model
- Task 5: Using webcam predcting the emotions of the user
- Task 6: Mapping with emojis

Learnings

- learnt about layers in keras
- creating avatars by reffering websites
- different filters for the model
- about GUI

Tech stack

- LaTex
- Google Colab
- Libraries:Numpy, keras, cv2

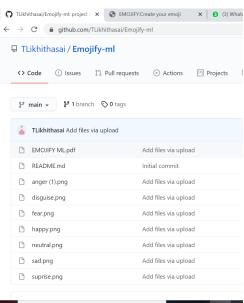
Challenges

- Uploading the test/train data
- Error during training the model

Demo code

https://colab.research.google.com/drive/ 16SlXXN-WdJW2PwP5ZNvP8cCGHKDUzCvwg?usp =sharing

Git Repo



Statistics

- Some lines of code for training the data
- Created avatars as required for our model

References

- https://www.kaggle.com/msambare/fer2013
- https://youtu.be/chQNuV9B-Rw
- https://www.youtube.com/watch?v=nClG2ailhhk

THANK YOU