# Blissify.ai

Blissify.ai is a recommendation system that works on visual inputs. We use a Convolutional Neural Net to detect the facial expressions of the user. The user may also input his feelings through text. We run a sentiment analysis module on it, alongside with the ConvNet, which can access the various moods of the user. Based on this, the app will then output various recommendations in varied fields as poetry, films, music etc. The system also outputs a style transferred image()

of the user’s face, based on the mood detected. This image takes as context the given user image while the style is derived from the detected mood as either sad(Edvard Munch’s The Scream), happy(A generic happy image), neutral among others. Developed as a part of Mozofest Hackathon.

Video URL : <https://www.youtube.com/watch?v=Q_uBWfOltvw&t=1s>

# Fake News Detection

This app was developed using scikit-learn and tkinter to output a label referring to whether the entered news article is genuine or not. It outputs a probability that describes the authenticity of the news article. We developed it using a MultiLayer Perceptron after applying a Tf-Idf Vectorizer. Developed as a part of IET Hackathon.

Video URL : <https://www.youtube.com/watch?v=UVqFzS9j6E4>

# Gesture Detection and System Control

The new project being developed concentrates on a Computer Vision problem i.e controlling basic operations on the computer via gesture detection using a CNN and openCV. It utilizes several packages to implement Basic system control like opening the start tab, minimizing apps and other basic operations.