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ABSTRACT

Facial analysis systems can ultimately change the way we live. Allied to Artificial Intelligence, it can provide personal assistance in every aspect of life. It can estimate our mood from the start of the day, connect itself to our habits and other factors. It can provide the perfect meal for the moment, the best music to accompany that meal, and the perfect outfit linked to the weather prediction. Machines will be capable of taking care of the uninteresting part of life. Due in large part to the expansion of social media and online social networking websites, automatic gender, age, and emotion identification has become more significant, leading to an expansion of its usage in various software and hardware. The commercials could be tailored to the caller's age and gender. In criminal instances, it can also aid in the identification of suspects, or at the very least, it can reduce the number of suspects. A deep neural network (DNN) known as a convolutional neural network is frequently used for NLP and image recognition and processing. The model is trained for gender, age, and emotion recognition from photos using a convolutional neural network architecture. It predicts the age, gender, emotion of the photo.

Keywords: Emotion detection, Age Detection, Gender Detection, Flask, Ngrok, Convolutional Neural Network