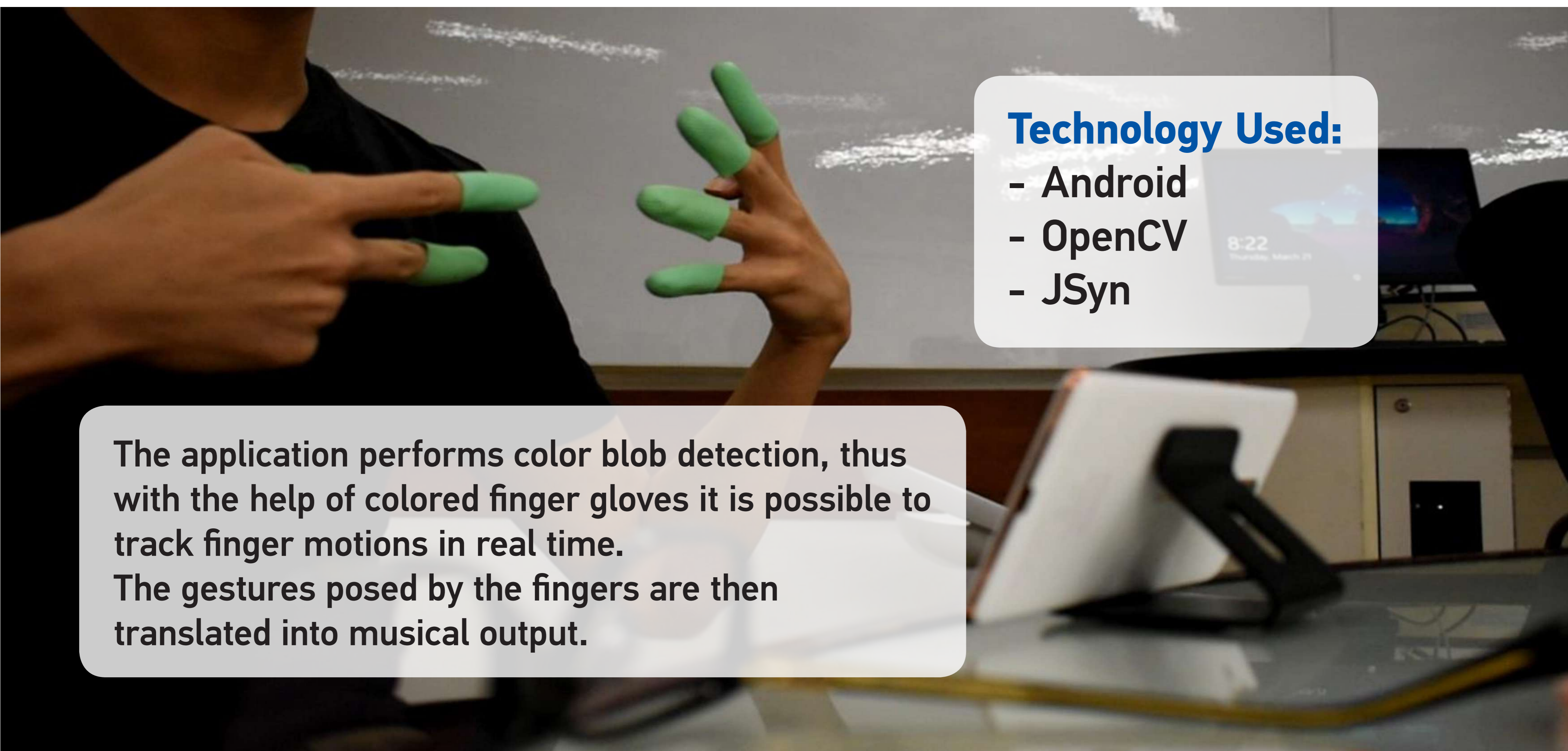


Interactive Gesture - Based Music On A Mobile Phone

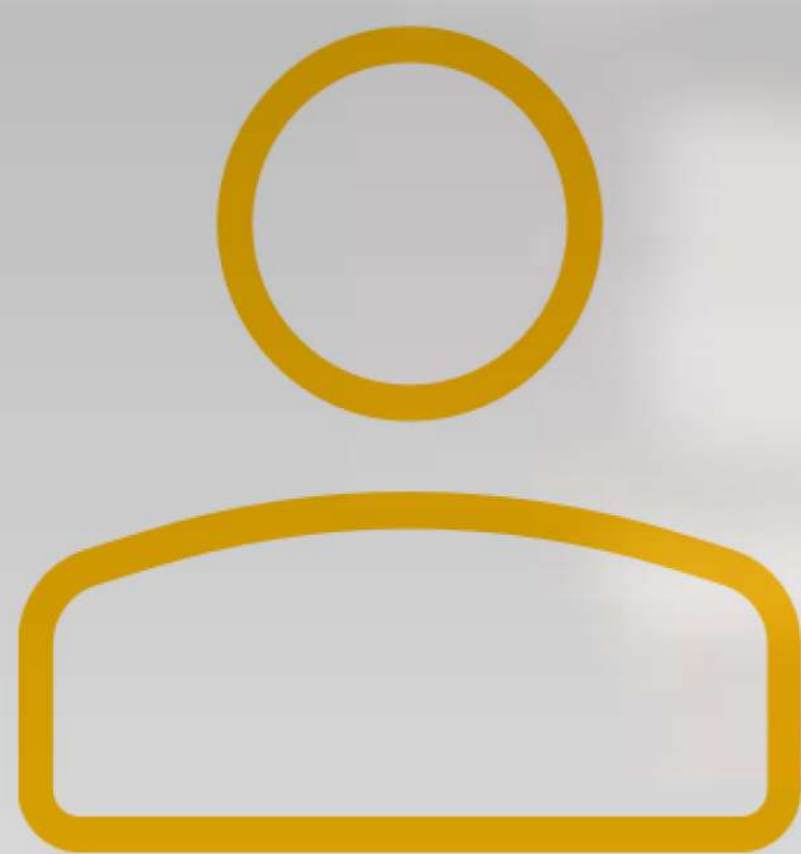
This application allows the user to perform hand gestures, which are picked up by an Android mobile phone and translated into musical output.



Technology Used:

- Android
- OpenCV
- JSyn

The application performs color blob detection, thus with the help of colored finger gloves it is possible to track finger motions in real time. The gestures posed by the fingers are then translated into musical output.



1

Hand Gesture

The user performs hand gestures



2

Gesture Recognition

The Android phone detects the finger blobs, and performs gesture recognition based on the location of the fingers



3

Musical Output

The hand gestures are then translated into musical notes through an embedded synthesizer