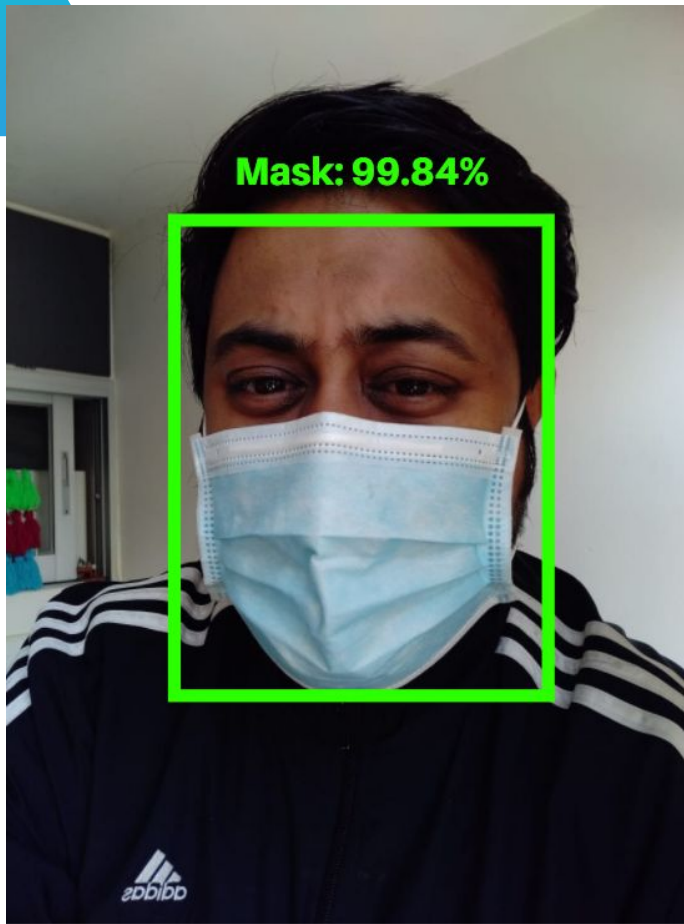




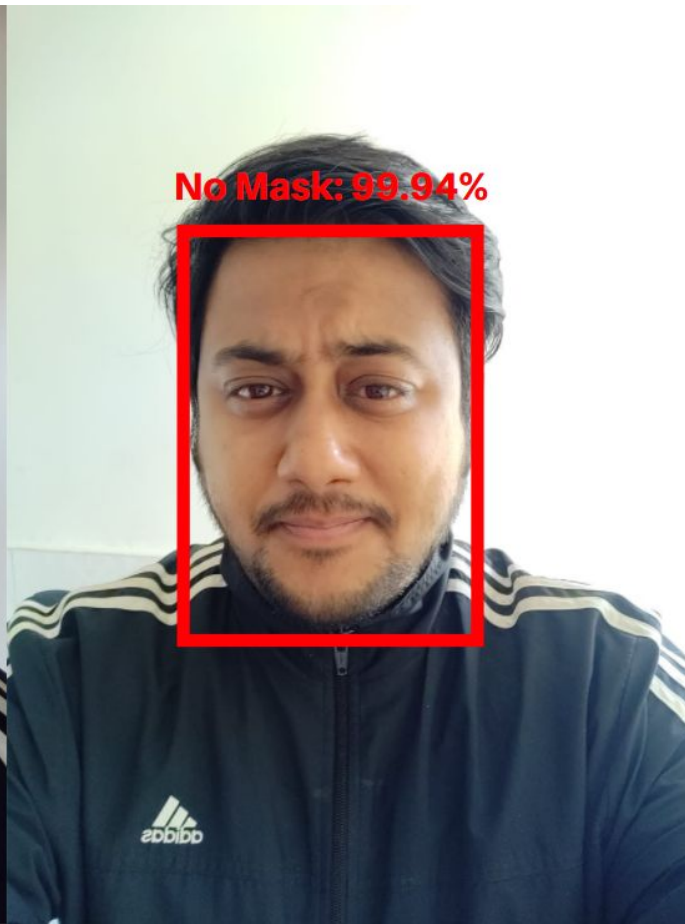
COVID-19 FACE MASK DETECTION



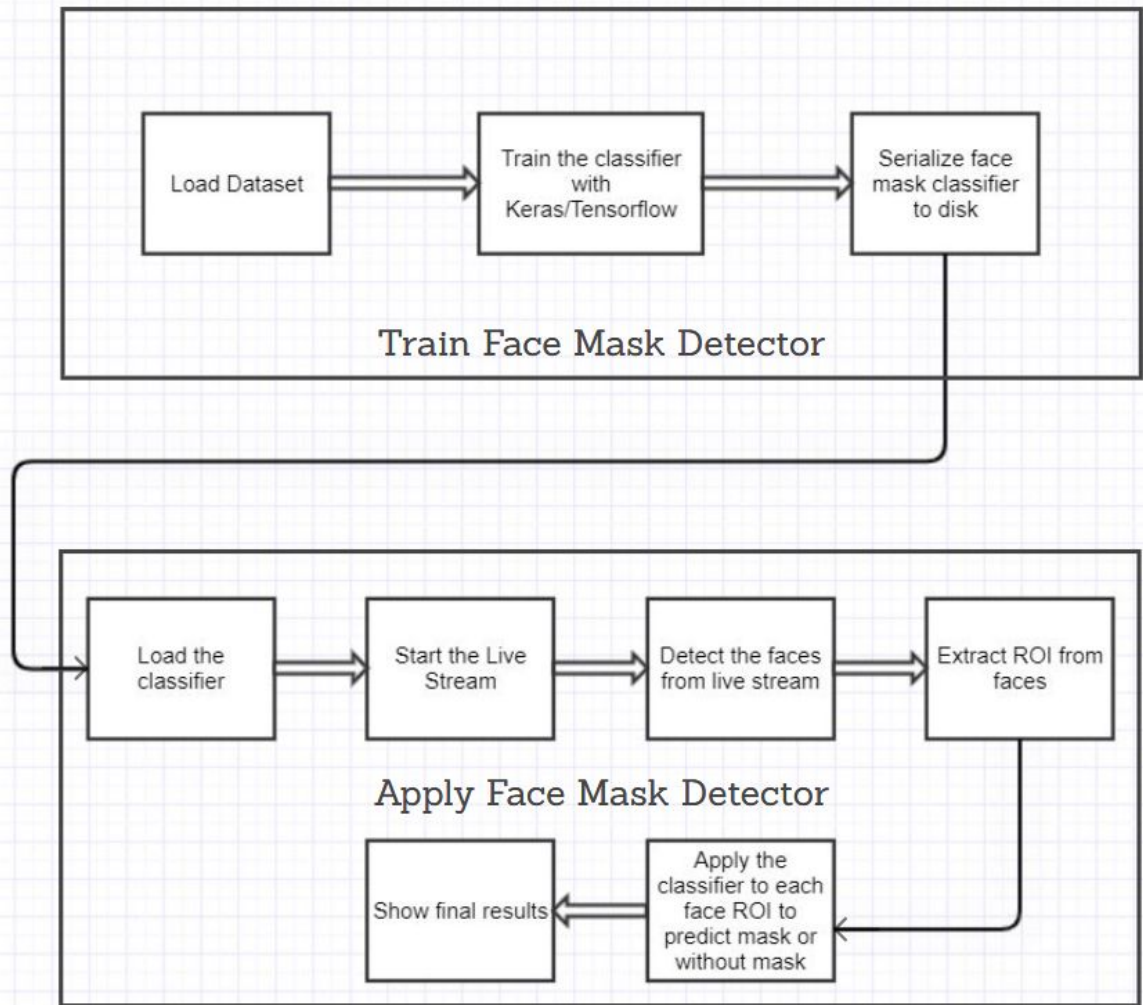
Model Output



Mask: 99.84%



No Mask: 99.94%





Mask



No Mask



A decorative graphic on the left side of the slide consists of several hexagons of different colors (teal, blue, dark blue) and icons. The icons include a lightbulb, a thumbs up, a network of nodes, a smartphone, a magnifying glass, a gear, and a speech bubble. A large teal hexagon is the central element of this graphic.

How the dataset was created

Code Credits: Prajna Bhandary

Techniques used to create images:

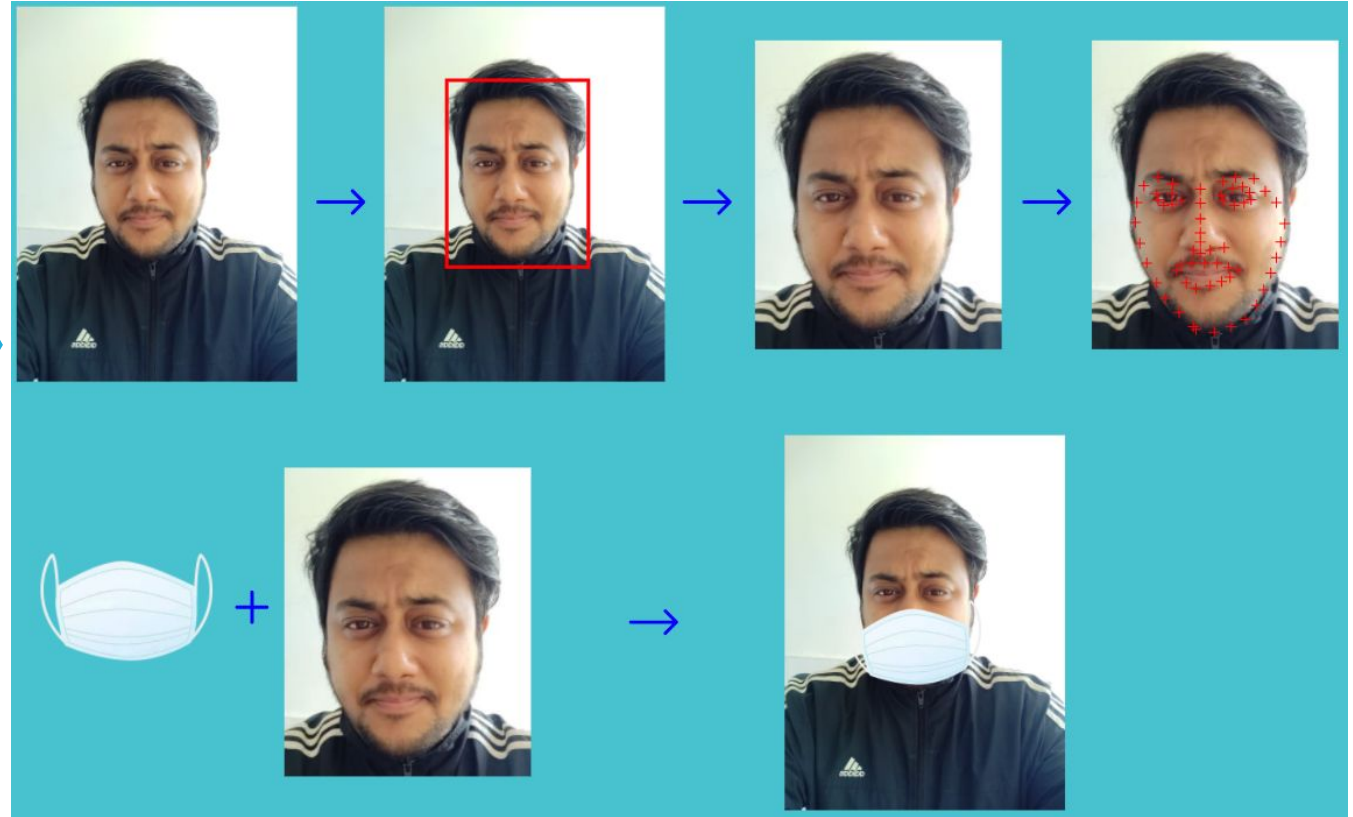
1. Taking normal images of faces
2. Creating a custom CV script to add face masks to them.

Usually we infer the location of facial structures such as: Eyes, nose, eyebrows, mouth, jawline, teeth, moustache etc.

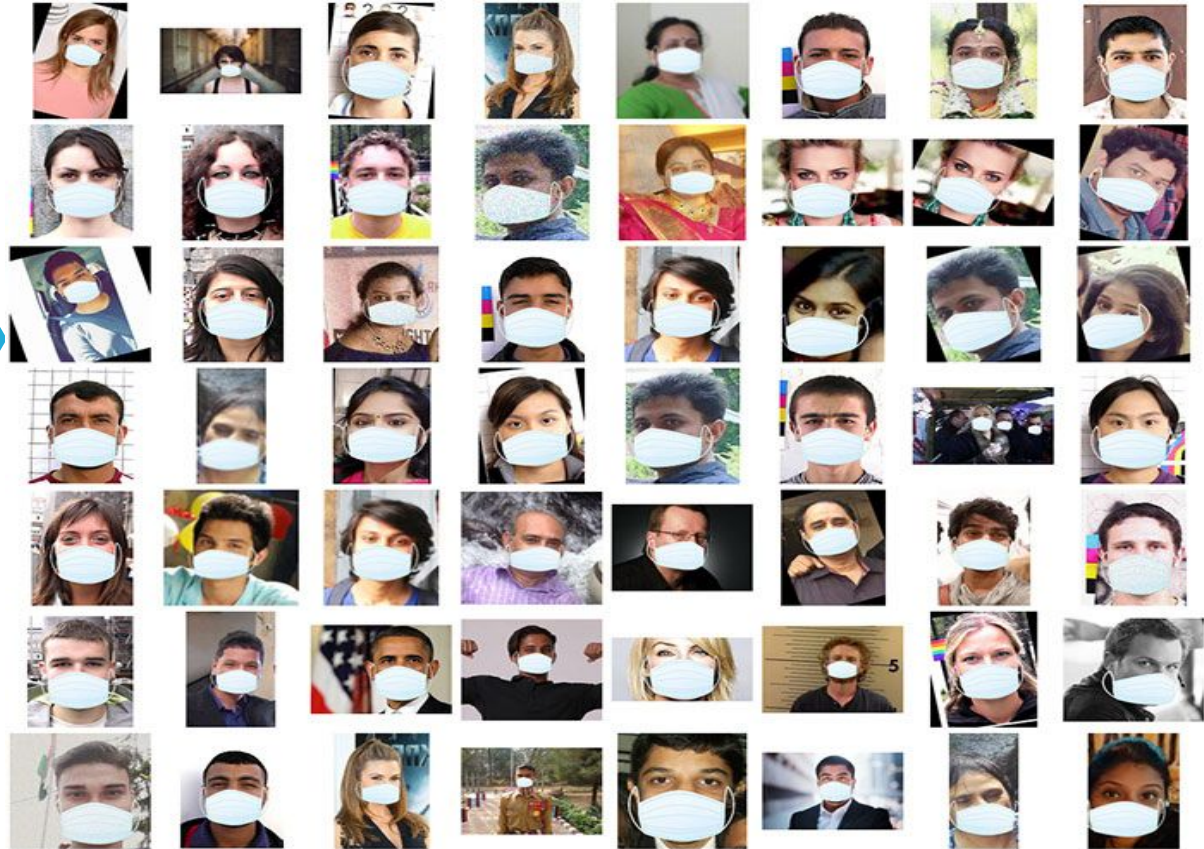
Steps:

1. Start with an image of person without mask
2. Apply face detection to compute the bounding box location of face.
3. Extract face Region of Interest (ROI)
4. Get image of a mask, and align it on top of the face properly.
5. Repeat the steps for multiple images

Illustration of the steps performed



Artificial Face Mask Dataset





Thanks!

Any questions?

You can find me at:

- ◇ pattnaiksatyajit89@gmail.com
- ◇ WhatsApp: +91 8237040802

