

# MVB

## Face-mask-detection

### Features:

Our face mask detector doesn't use any morphed masked images dataset and the model is accurate. Owing to the use of architecture, it is computationally efficient, thus making it easier to deploy the model to embedded systems

This system can therefore be used in real-time applications which require face-mask detection for safety purposes due to the outbreak of Covid-19. This project can be integrated with embedded systems for application in airports, railway stations, offices, schools, and public places to ensure that public safety guidelines are followed.

**A project is a web application based on the Django framework**

**It uses machine learning to teach a system to be able to detect a face mask**

### Dataset

**The dataset used can be downloaded [here](#)**

This dataset consists of **4098images** belonging to two classes:

- **with\_mask:** 2050 mages
- **without\_mask:** 20498images

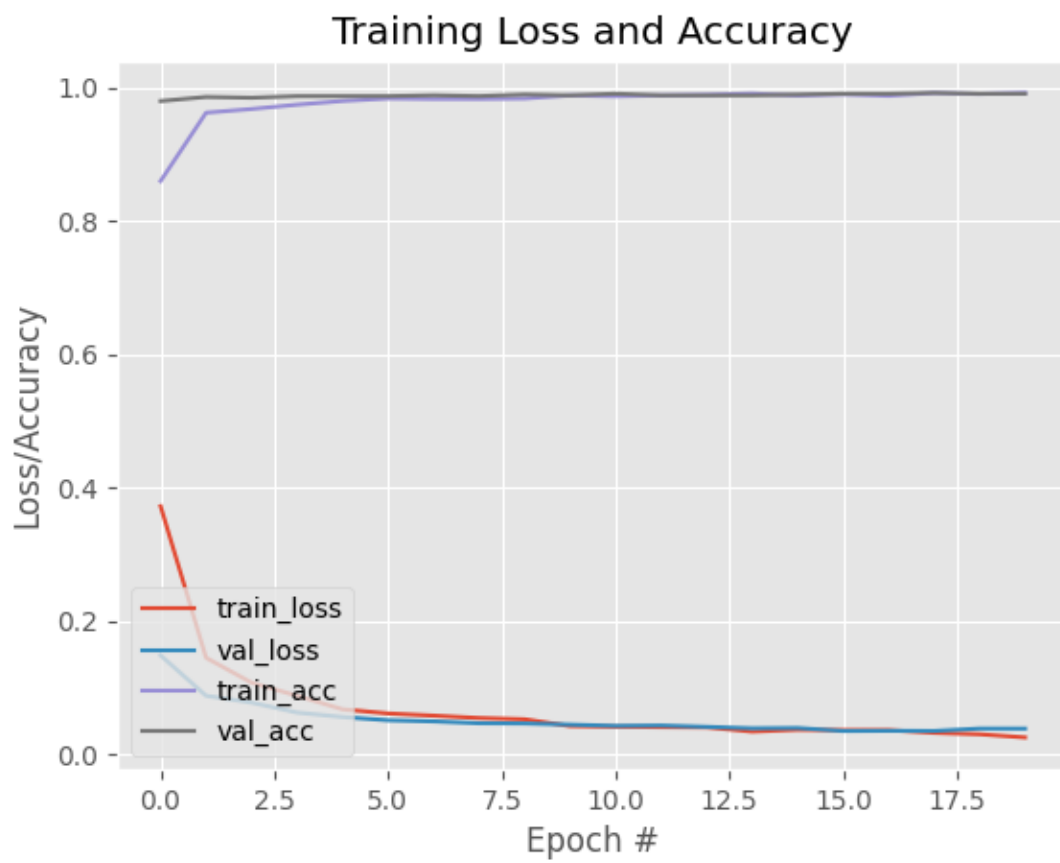
## **Languages & Library**

Python  
Pandas  
Numpy  
Seaborn  
Sklearn  
CNN  
Keras  
Tensorflow

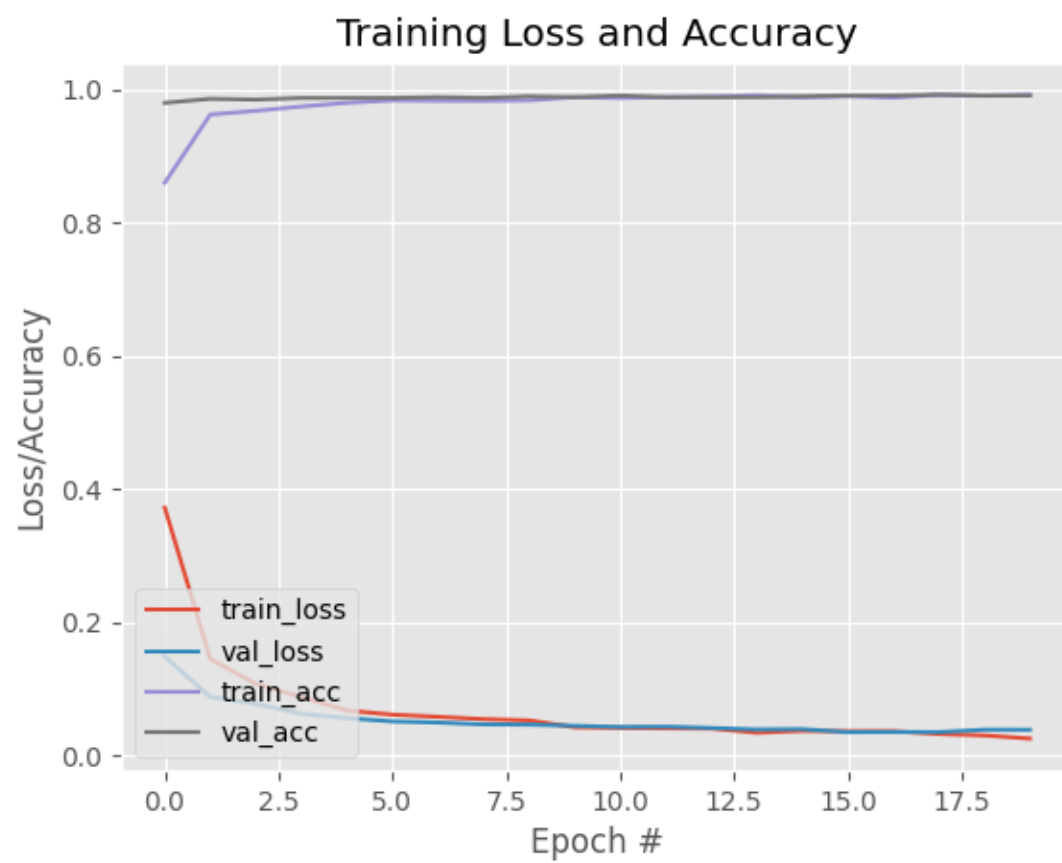
+Django  
+ html  
+ css  
+ javascript

## **Results**

*Our model gave 98% accuracy for Face Mask Detection*



/loss training curve plot



**Images:**

