

DL REVIEW 1

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Face Mask Detection using Convolutional Neural Network (CNN)

Abstract:

- The project will get user image as input and it will detect the person wears mask or not using OpenCV and deep learning concepts.
- We will create 2 labels for the two class of Images.
- It will assign with mask as 1 and without mask as 0
- We will split training data and test data
- Then we can build a Convolutional Neural Network(CNN) and we can evaluate the model and calculate accuracy of the model.

Dataset:

- Dataset is from kaggle.
- Data set consists of 7553 RGB images in 2 folders as with_mask and without_mask.
- Images are named as label with_mask and without_mask. Images of faces with mask are 3725 and images of faces without mask are 3828.
- LINK: <https://www.kaggle.com/datasets/omkargurav/face-mask-dataset>

Architecture:

Work Flow

