**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:**

