

This presentation showcases the workflow for a FaceMask Detection project in deep learning.







Face Mask Detection Training Phase

Phase 1 Data Preprocessing

Phase 2 Model Training

Phase 3 Save the Best Model



Phase 1: Data Preprocessing

Preprocess the Image

Dataset

Collect Image

Separate Input Image and output label

Convert input and output data into matrix format

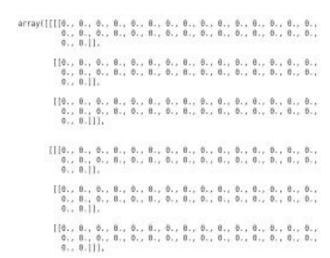
Split into Train and Test set

Define Data
Augmentation

How the Image is Preprocessed?







data = np.array(data, dtype="float32")
labels = np.array(labels)



Numpy Arrays



Phase 2: Model Training



- Load the Pre-trained model
- 2. Construct the Head model

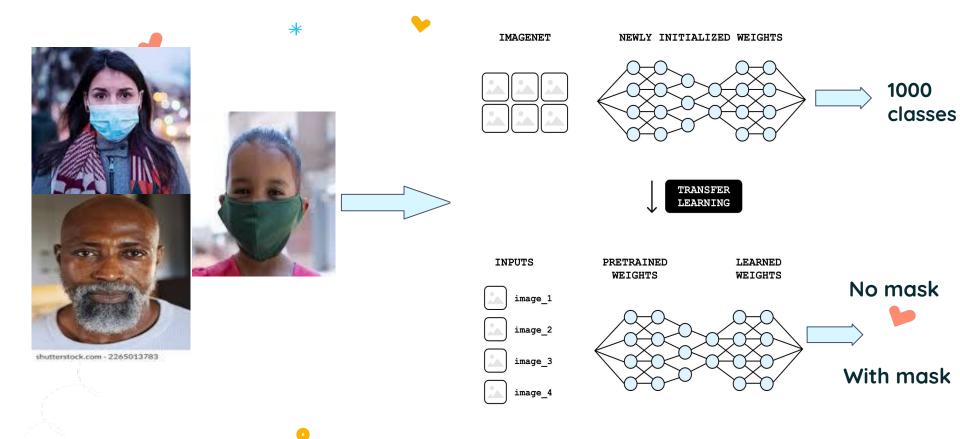


- 3. Create a New Model (base and head
- 4. Compile the model



5. Train the Model

How the model is trained?





Phase 3: Save the Best Model

- I. Evaluate the Model
- 2. Make Classification Report

3. Save the Model with best accuracy

4. Plot graph for loss and accuracy

Thank you for your time and attention :

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