

PROJECT PRESENTATION

ARCHITECTURE USED IN PAPER

ARCHITECTURE: CNN

Convolutional Neural Network

PAPER LINK

https://globaljournals.org/GJCST_Volume19/2-Classification-of-Image-using-Convolutional.pdf

DATASET USED IN THE PAPER

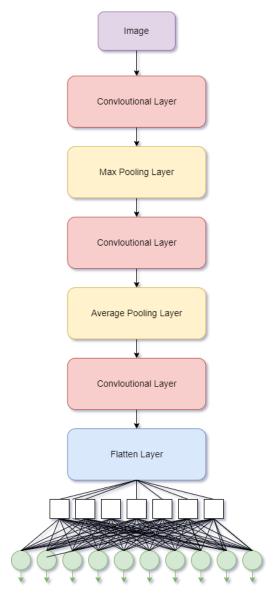
CIFAR-10

DIMENSIONS OF IMAGES

32 x 32 x 3

NUMBER OF CLASSES

10 classes



DATASET DETAILS

TRAINING SET ~ (80%)

DATASET NAME

Number of images: 251

Covid-19 Image Dataset

Covid: 111

Normal: 70

kaggle DATASET LINK

Viral Pneumonia: 70

https://www.kaggle.com/datasets/pranavraikokte/covid19-image-

dataset

TESTING SET ~ (20%)

TOTAL NUMBER OF SAMPLES

Number of images: 66

Total number: 317

Covid: 26

Normal: 20

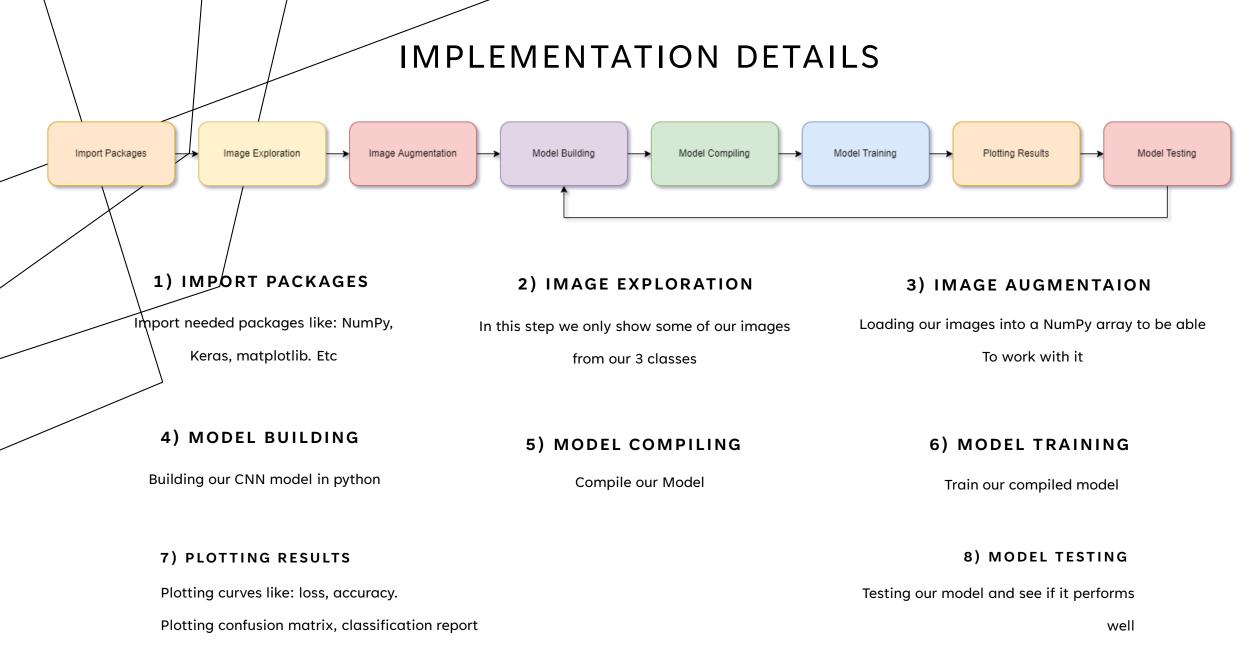
DIMENSIONS OF IMAGES

It's not constant

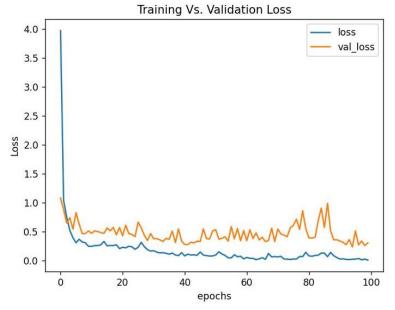
Viral Pneumonia: 20

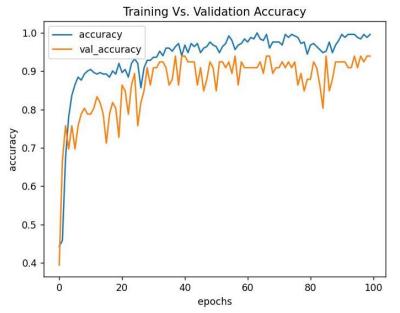
NUMBER OF CLASSES AND THEIR LABELS

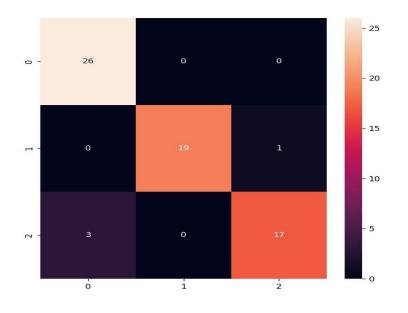
We have 3 classes: (Covid – Viral Pneumonia – Normal)



PLOTTING RESULTS OUTPUT







Accuracy: 0.9393	93937587738			
Classification R	eport:			
	precision	recall	f1-score	support
Covid	0.90	1.00	0.95	26
Normal	1.00	0.95	0.97	20
Viral Pneumonia	0.94	0.85	0.89	20
accuracy			0.94	66
macro avg	0.95	0.93	0.94	66
weighted avg	0.94	0.94	0.94	66