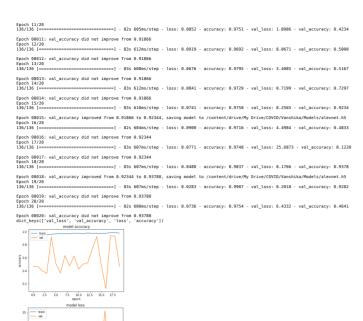
Epoch 80010: val_accuracy did not improve from 0.	91866		
Epoch 10/20 136/136 [======] - 83s 60	9ms/step - los	s: 0.0701 - accuracy: 0.9755 - va	l_loss: 1.3981 - val_accuracy: 0.6220
136/136 [======] - 83s 61 Epoch 00009: val_accuracy did not improve from 0.		ss: 0.0912 - accuracy: 0.9681 - va	l_loss: 5.8775 - val_accuracy: 0.4713
Epoch 00008: val_accuracy did not improve from 0. Epoch 9/20	91866		
Epoch 00007: val_accuracy did not improve from 0. Epoch 8/20 136/136 [======] - 84s 61		s: 0.0831 - accuracy: 0.9690 - va	l_loss: 1.4791 - val_accuracy: 0.6316
136/136 [======] - 84s 61	.6ms/step - los	is: 0.0793 - accuracy: 0.9725 - va	l_loss: 2.8594 - val_accuracy: 0.3612
136/136 [====================================		.s. ⊎.118∠ - accuracy: 0.9662 - va	l_loss: 3.7317 - val_accuracy: 0.5072
Epoch 00005: val_accuracy improved from 0.46411 t Epoch 6/20 136/136 [========] - 84s 62			
Epoch 5/28		ss: 0.1301 - accuracy: 0.9585 - va	l_loss: 0.3113 - val_accuracy: 0.9187
Fnoch 88884: val accuracy did not improve from 8.		s: 0.1407 - accuracy: 0.9543 - val	l_loss: 2.7437 - val_accuracy: 0.3565
Epoch 00003: val_accuracy did not improve from 0.	46411		
Epoch 00002: val_accuracy did not improve from 0. Epoch 3/20 136/136 [=======] - 85s 62		is: 0.1491 - accurary: 0.9427 - val	l_loss: 3.8530 - val_accuracy: 0.3995
Epoch 2/20 136/136 [======] - 86s 63	4ms/step - los	s: 0.1982 - accuracy: 0.9296 - val	l_loss: 5.4367 - val_accuracy: 0.4641
			al_loss: 0.9879 - val_accuracy: 0.4641 /COVID/Vanshika/Models/alexnet.h5
Non-trainable params: 83,648 Epoch 1/20			_
Total params: 7,040,579 Trainable params: 6,956,931			
fc1888 (Dense) (None, 3)	3075	avg_pool[0][0]	_
relu (Activation) (None, 8, 8, 1024 avg_pool (GlobalAveragePooling2 (None, 1024)	0	bn[0][0] relu[0][0]	- =
bn (BatchNormalization) (None, 8, 8, 1024		conv5_block16_concat[0][0]	_
conv5_block16_concat (Concatena (None, 8, 8, 1024) 0	conv5_block15_concat[0][0] conv5_block16_2_conv[0][0]	=
conv5_block16_2_conv (Conv2D) (None, 8, 8, 32)	36864	conv5_block16_1_relu[0][0]	_
conv5_block16_1_bn (BatchNormal (None, 8, 8, 128) conv5_block16_1_relu (Activatio (None, 8, 8, 128)		conv5_block16_1_conv[0][0] conv5_block16_1_bn[0][0]	- =
conv5_block16_1_conv (Conv2D) (None, 8, 8, 128)	126976	conv5_block16_0_relu[0][0]	_
conv5_block16_0_bn (BatchNormal (None, 8, 8, 992) conv5_block16_0_relu (Activatio (None, 8, 8, 992)		conv5_block15_concat[0][0] conv5_block16_0_bn[0][0]	- -
conv5_block15_concat (Concatena (None, 8, 8, 992)		conv5_block14_concat[0][0] conv5_block15_2_conv[0][0]	
conv5_block15_2_conv (Conv2D) (None, 8, 8, 32)	36864	conv5_block15_1_relu[0][0]	_
conv5_block15_1_bn (BatchNormal (None, 8, 8, 128) conv5_block15_1_relu (Activatio (None, 8, 8, 128)	512 0	conv5_block15_1_conv[0][0] conv5_block15_1_bn[0][0]	_
conv5_block15_1_conv (Conv2D) (None, 8, 8, 128)	122880	conv5_block15_0_relu[0][0]	_
conv5_block15_0_bn (BatchNormal (None, 8, 8, 960) conv5_block15_0_relu (Activatio (None, 8, 8, 960)	3840 0	conv5_block14_concat[0][0] conv5_block15_0_bn[0][0]	_
conv5_block14_concat (Concatena (None, 8, 8, 960)	0	conv5_block13_concat[0][0] conv5_block14_2_conv[0][0]	=
conv5_block14_2_conv (Conv2D) (None, 8, 8, 32)	36864	conv5_block14_1_relu[0][0]	- -:
conv5_block14_1_relu (Activatio (None, 8, 8, 128)	0	conv5_block14_1_bn[0][0]	_
conv5_block14_1_conv (Conv2D) (None, 8, 8, 128) conv5_block14_1_bn (BatchNormal (None, 8, 8, 128)	118784 512	conv5_block14_0_relu[0][0] conv5_block14_1_conv[0][0]	_
conv5_block14_0_relu (Activatio (None, 8, 8, 928)	0	conv5_block14_0_bn[0][0]	
conv5_block14_0_bn (BatchNormal (None, 8, 8, 928)	3712	conv5_block13_2_conv[0][0] conv5_block13_concat[0][0]	_
conv5_block13_2_conv (Conv2D) (None, 8, 8, 32) conv5_block13_concat (Concatena (None, 8, 8, 928)	36864 0	conv5_block13_1_relu[0][0] conv5_block12_concat[0][0] conv5_block13_2_conv[0][0]	_
conv5_block13_1_relu (Activatio (None, 8, 8, 128)	0	conv5_block13_1_bn[0][0]	- -
conv5_block13_1_bn (BatchNormal (None, 8, 8, 128)	512	conv5_block13_1_conv[0][0]	_
conv5_block13_0_relu (Activatio (None, 8, 8, 896) conv5 block13 1 conv (Conv2D) (None, 8, 8, 128)	0 114688	conv5_block13_0_bn[0][0] conv5_block13_0_relu[0][0]	- -
conv5_block13_0_bn (BatchNormal (None, 8, 8, 896)		conv5_block12_concat[0][0]	_
conv5_block12_concat (Concatena (None, 8, 8, 896)	0	conv5_block11_concat[0][0] conv5_block12_2_conv[0][0]	_
conv5_block12_2_conv (Conv2D) (None, 8, 8, 32)	36864	conv5_block12_1_relu[0][0]	_
conv5_block12_1_bn (BatchNormal (None, 8, 8, 128) conv5_block12_1_relu (Activatio (None, 8, 8, 128)	512	conv5_block12_1_conv[0][0] conv5_block12_1_bn[0][0]	- -
conv5_block12_1_conv (Conv2D) (None, 8, 8, 128)	110592	conv5_block12_0_relu[0][0]	_
conv5_block12_0_bn (BatchNormal (None, 8, 8, 864) conv5_block12_0_relu (Activatio (None, 8, 8, 864)		conv5_block11_concat[0][0] conv5_block12_0_bn[0][0]	=
		conv5_block11_2_conv[0][0]	-
conv5_block11_2_conv (Conv2D) (None, 8, 8, 32) conv5 block11 concat (Concatena (None, 8, 8, 864)	36864	conv5_block11_1_relu[0][0] conv5_block10_concat[0][0]	=
conv5_block11_1_relu (Activatio (None, 8, 8, 128)	0	conv5_block11_1_bn[0][0]	_
conv5_block11_1_conv (Conv2D) (None, 8, 8, 128) conv5_block11_1_bn (BatchNormal (None, 8, 8, 128)	106496 512	conv5_blockl1_0_relu[0][0] conv5_blockl1_1_conv[0][0]	_
conv5_block11_0_relu (Activatio (None, 8, 8, 832)	0	conv5_block11_0_bn[0][0]	_
conv5_block11_0_bn (BatchNormal (None, 8, 8, 832)		conv5_block10_2_conv[0][0] conv5_block10_concat[0][0]	_
conv5_block10_2_conv (Conv2D) (None, 8, 8, 32) conv5_block10_concat (Concatena (None, 8, 8, 832)	36864 0	conv5_block10_1_relu[0][0] conv5_block9_concat[0][0]	=
conv5_block10_1_relu (Activatio (None, 8, 8, 128)	0	conv5_block10_1_bn[0][0]	
conv5_block10_1_conv (Conv2D) (None, 8, 8, 128) conv5_block10_1_bn (BatchNormal (None, 8, 8, 128)	512	conv5_block10_0_relu[0][0] conv5_block10_1_conv[0][0]	_
conv5_block10_0_relu (Activatio (None, 8, 8, 800)	0 102400	conv5_block10_0_bn[0][0]	-
conv5_block10_0_bn (BatchNormal (None, 8, 8, 800)	3200	conv5_block9_concat[0][0]	_
conv5_block9_concat (Concatenat (None, 8, 8, 800)	0	conv5_block8_concat[0][0] conv5_block9_2_conv[0][0]	=
conv5_block9_1_relu (Activation (None, 8, 8, 128) conv5_block9_2_conv (Conv2D) (None, 8, 8, 32)	0 36864	conv5_block9_1_bn[0][0] conv5_block9_1_relu[0][0]	
conv5_block9_1_bn (BatchNormali (None, 8, 8, 128)	512	conv5_block9_1_conv[0][0]	_
conv5_block9_0_relu (Activation (None, 8, 8, 768) conv5_block9_1_conv (Conv2D) (None, 8, 8, 128)	98304	conv5_block9_0_bn[0][0] conv5_block9_0_relu[0][0]	_
conv5_block9_0_bn (BatchNormali (None, 8, 8, 768)	3072	conv5_block8_concat[0][0]	_
conv5_block8_concat (Concatenat (None, 8, 8, 768)	0	conv5_block7_concat[0][0] conv5_block8_2_conv[0][0]	=
conv5_block8_1_relu (Activation (None, 8, 8, 128) conv5_block8_2_conv (Conv2D) (None, 8, 8, 32)	36864	conv5_block8_1_bn[0][0] conv5_block8_1_relu[0][0]	_
conv5_block8_1_bn (BatchNormali (None, 8, 8, 128)	512	conv5_block8_1_conv[0][0]	_
conv5_block8_0_relu (Activation (None, 8, 8, 736) conv5 block8 1 conv (Conv2D) (None, 8, 8, 128)	94208	conv5_block8_0_bn[0][0] conv5_block8_0_relu[0][0]	
conv5_block8_0_bn (BatchNormali (None, 8, 8, 736)	2944	conv5_block7_concat[0][0]	_
conv5_block7_concat (Concatenat (None, 8, 8, 736)	0	conv5_block6_concat[0][0] conv5_block7_2_conv[0][0]	_
conv5_block7_2_conv (Conv2D) (None, 8, 8, 32)	36864	conv5_block7_1_relu[0][0]	_

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	precision	recall	f1-score	support
COVID-19	1.00	0.87	0.93	31
Normal	0.97	0.91	0.94	193
Viral Pneumonia	0.90	0.98	0.94	194
accuracy			0.94	418
macro avg	0.96	0.92	0.94	418
weighted avg	0.94	0.94	0.94	418

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