

Found 5216 images belonging to 2 classes.
Found 16 images belonging to 2 classes.
Found 624 images belonging to 2 classes.

Data Augmentation and Rescaling

Epoch 1/30
163/163 97s 572ms/step - accuracy: 0.9490 - loss: 0.1351 - val_accuracy: 0.5625 - val_loss: 0.7687 - learning_rate: 1.0000e-04

Epoch 11/30
163/163 92s 549ms/step - accuracy: 0.9636 - loss: 0.1064 - val_accuracy: 0.6875 - val_loss: 0.4224 - learning_rate: 2.0000e-05

Epoch 21/30
163/163 92s 549ms/step - accuracy: 0.9655 - loss: 0.0921 - val_accuracy: 0.6250 - val_loss: 0.4708 - learning_rate: 1.0000e-05

163/163 93s 552ms/step - accuracy: 0.9608 - loss: 0.0994 - val_accuracy: 0.7500 - val_loss: 0.4321 - learning_rate: 1.0000e-05
Epoch 30/30

Random of 30 Epoch

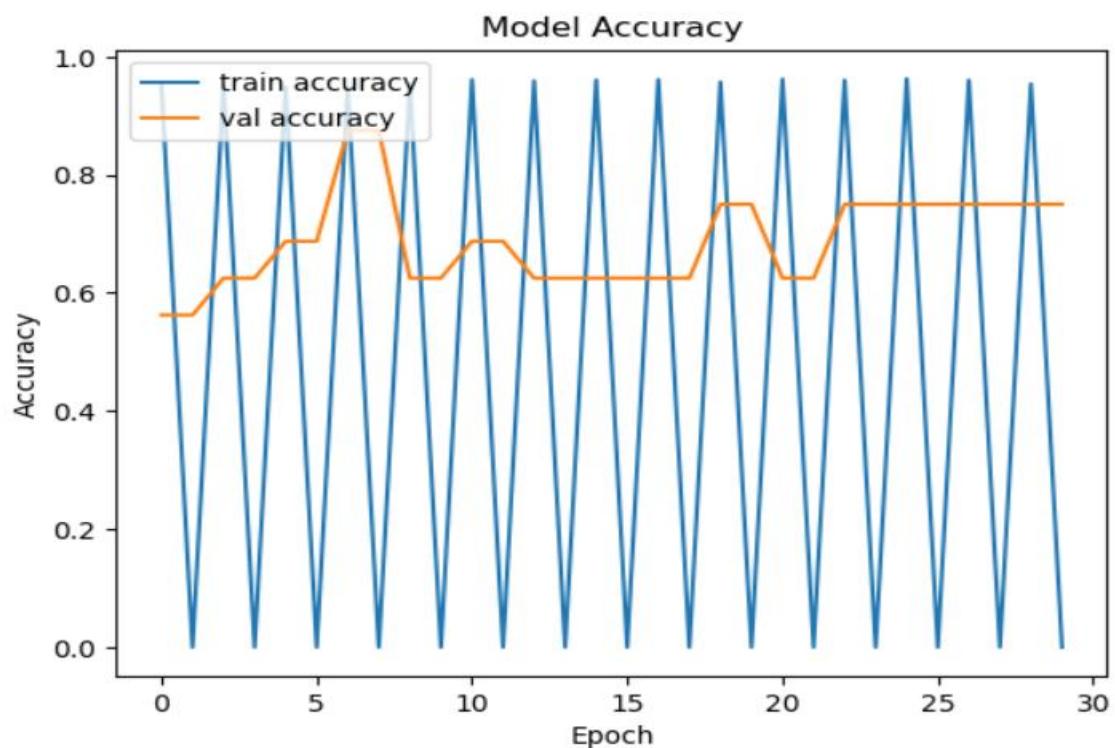
20/20 7s 367ms/step - accuracy: 0.9199 - loss: 0.2449
Test Accuracy: 92.31%

Accuracy and Loss

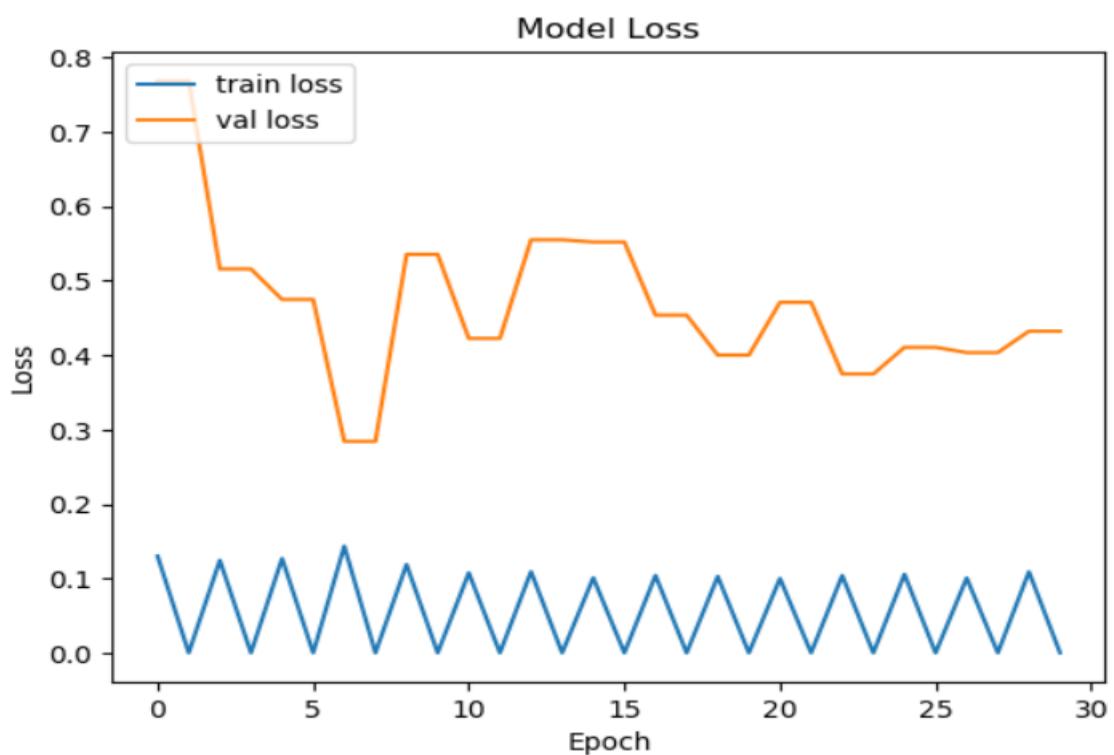
1/1 0s 149ms/step
1/1 0s 148ms/step
1/1 0s 145ms/step
1/1 0s 132ms/step
1/1 0s 129ms/step



Test Images



Model Accuracy Plot



Model Loss Plot

20/20 ————— **7s** 356ms/step

	precision	recall	f1-score	support
Normal	0.42	0.36	0.39	234
Pneumonia	0.65	0.70	0.67	390
accuracy			0.57	624
macro avg	0.53	0.53	0.53	624
weighted avg	0.56	0.57	0.57	624

[[84 150]
 [116 274]]

Model Evaluation using Metrics