Using 1 Convolutional Layer

Convolutional Layer	Accuracy	Recall	Precision	F1 Score
1	0.6760	0.6760	0.6761	0.6760

Class-wise Metrics:

	Precision	Recall	F1 Score	Support
cat	0.68	0.67	0.67	500
dog	0.67	0.69	0.68	500
accuracy			0.68	500
Macro avg	0.68	0.68	0.68	500
Weighted avg	0.68	0.68	0.68	500

Confusion Matrix - 1 Conv Layers
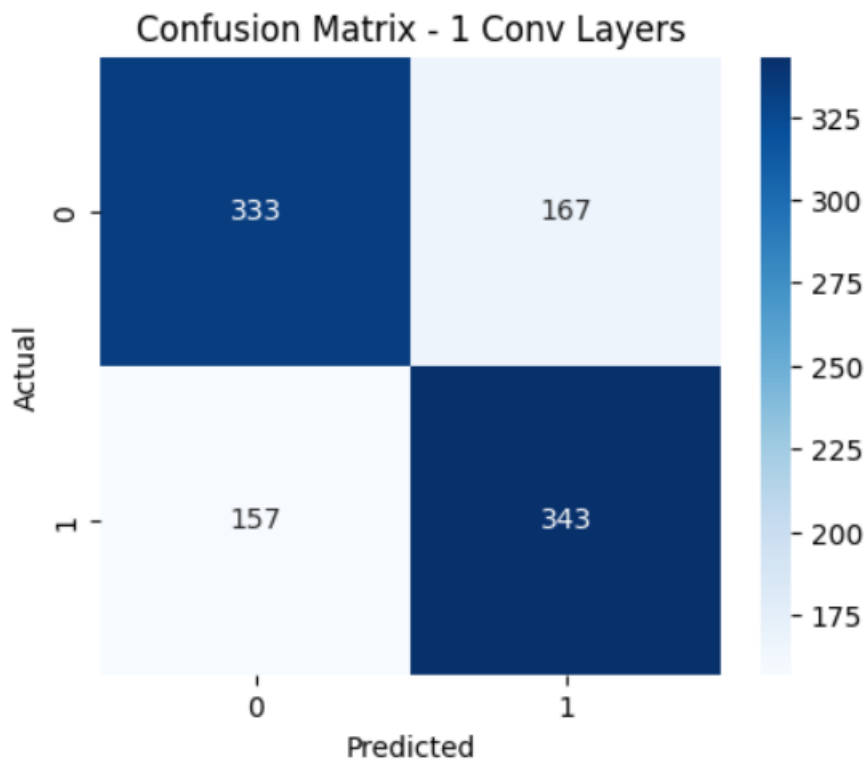
Using 2 Convolutional Layer

Convolutional Layer	Accuracy	Recall	Precision	F1 Score
2	0.6800	0.6800	0.6820	0.6791

Class-wise Metrics:

	Precision	Recall	F1 Score	Support
cat	0.70	0.63	0.66	500
dog	0.66	0.73	0.70	500
accuracy			0.68	500
Macro avg	0.68	0.68	0.68	500
Weighted avg	0.68	0.68	0.68	500

Confusion Matrix - 2 Conv Layers
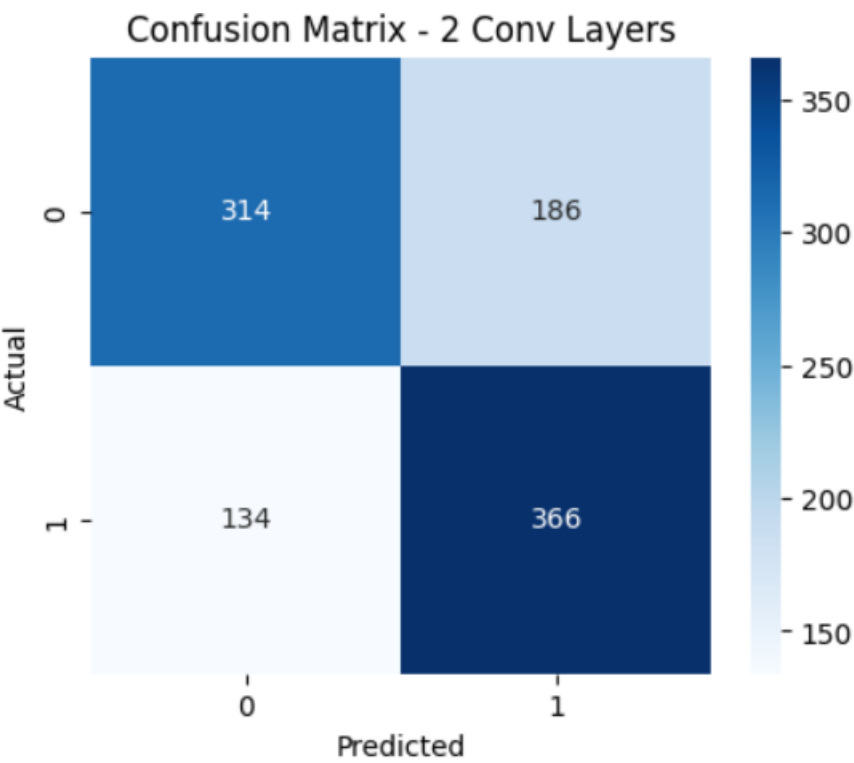
Using 3 Convolutional Layer

Convolutional Layer	Accuracy	Recall	Precision	F1 Score
3	0.7020	0.7020	0.7028	0.7017

Class-wise Metrics:

	Precision	Recall	F1 Score	Support
cat	0.72	0.67	0.69	500
dog	0.69	0.73	0.71	500
accuracy			0.70	500
Macro avg	0.70	0.70	0.70	500
Weighted avg	0.70	0.70	0.70	500

Confusion Matrix - 3 Conv Layers
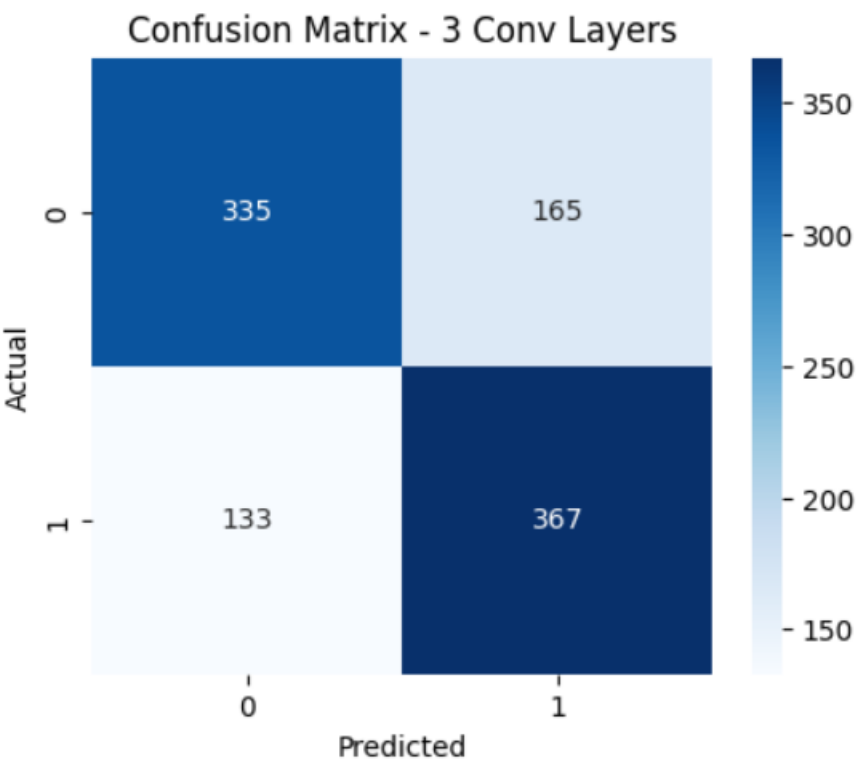
Using 4 Convolutional Layer

Convolutional Layer	Accuracy	Recall	Precision	F1 Score
3	0.7110	0.7110	0.7182	0.7086

Class-wise Metrics:

	Precision	Recall	F1 Score	Support
cat	0.76	0.62	0.68	500
dog	0.68	0.80	0.74	500
accuracy			0.71	500
Macro avg	0.72	0.71	0.71	500
Weighted avg	0.72	0.71	0.71	500

Confusion Matrix - 4 Conv Layers