Generalization

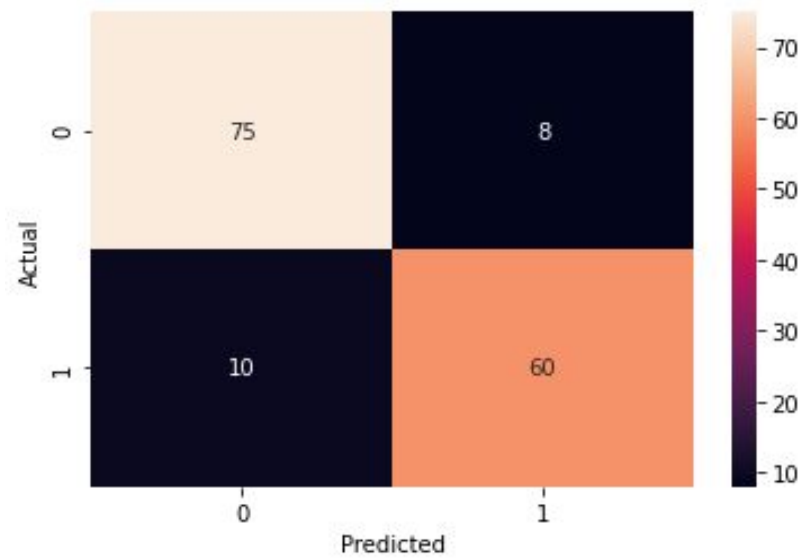| Modes	Description
Environment	Pytorch , Python
Problem Description	Binary class Classification to classify correct ants and bees.
Train Data shape	244,2
Test Data shape	153,2
Cross Validation	K-Fold Number of splits (5)
Batch Size	16
Loss Function	nn.CrossEntropyLoss()
Learning rate/Scheduler/Early Stopping	.0005 / Yes / Yes
Model	Resnet 18/Resnet 34
Augmentation	Albumenations

Augmentation Techniques Below

Train	Resize(256 , 256)	Normalize	Flip	ShiftScaleRotate
Val	Resize(256 , 256)	Normalize		
Test	Resize(256 , 256)	Normalize		

Model Accuracy

Model	Number of Parameters	Accuracy on Test
Resnet 18	1026	0.882
Resnet 34	1026	0.9084

Confusion Matrix of Resnet 18

Confusion Matrix of Resnet 34