CleanAI Analysis Report

Model Informations

The table below shows general information about the 'NeuralNetwork' model.

	Model name	Total params	Number of layers
Informations	NeuralNetwork	669706	8

Coverage Values of Layers

The table below shows coverage values about the 'NeuralNetwork' model's all layers. The 'mean of layer' value shows the average of neurons in that layer. When calculating the number of covered neurons, this value is accepted as the threshold value for that layer. NOTE: The coverage value of a layer is the ratio of the number of covered neurons to the total number of neurons in that layer. The values in the table below, it was formed as a result of giving the '1\861.png' input in the data set to the model.

Layer index	Activation function	Number of covered neurons	Number of total neurons	Coverage value	Mean of layer
Layer 4	ReLU	182	512	35.55%	0.23
Layer 6	ReLU	165	512	32.23%	0.23
All model	-	347	1024	33.89%	

Threshold Coverage Values of Layers (TH = 0)

The table below shows threshold coverage values about the 'NeuralNetwork' model's all layers. NOTE: The threshold coverage value of a layer is the ratio of the number of covered neurons (number of neurons greater than the threshold value) to the total number of neurons in that layer. The values in the table below, it was formed as a result of giving the '1\861.png' input in the data set to the model.

Layer index	Activation function	Number of covered neurons	Number of total neurons	Coverage value
Layer 4	ReLU	322	512	62.89%
Layer 6	ReLU	282	512	55.08%
All model	-	604	1024	58.98%

Threshold Coverage Values of Layers (TH = 0.75)

The table below shows threshold coverage values about the 'NeuralNetwork' model's all layers. NOTE: The threshold coverage value of a layer is the ratio of the number of covered neurons (number of neurons greater than the threshold value) to the total number of neurons in that layer. The values in the table below, it was formed as a result of giving the '1\861.png' input in the data set to the model.

Layer index	Activation function	Number of covered neurons	Number of total neurons	Coverage value
Layer 4	ReLU	40	512	7.81%
Layer 6	ReLU	55	512	10.74%

| All model | - | 95 | 1024 | 9.28% |