CleanAI Analysis Report

Model Informations

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

	Model name	Total params	Number of layers
Informations	MaxVit	30919624	670

Coverage Values of Layers (For Only One Input)

The table below shows coverage values about the 'MaxVit' 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 'n01484850\n01484850_3544.JPEG' 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 33	Sigmoid	131	256	51.17%	0.64
Layer 91	Sigmoid	159	256	62.11%	0.81
Layer 153	Sigmoid	328	512	64.06%	0.81
Layer 211	Sigmoid	373	512	72.85%	0.79
Layer 273	Sigmoid	698	1024	68.16%	0.76
Layer 331	Sigmoid	615	1024	60.06%	0.66
Layer 389	Sigmoid	606	1024	59.18%	0.64
Layer 447	Sigmoid	587	1024	57.32%	0.62
Layer 505	Sigmoid	574	1024	56.05%	0.59
Layer 567	Sigmoid	1208	2048	58.98%	0.61
Layer 625	Sigmoid	1055	2048	51.51%	0.53
Layer 668	Tanh	250	512	48.83%	0.01
All model	-	6584	11264	58.45%	

Coverage Values of Layers (For Multiple Inputs) 5 Inputs

The table below shows coverage values for multiple inputs about the 'MaxVit' model. The values in the table below, it was formed as a result of giving the '5' inputs in the data set to the model.

Layer index	Number of covered neurons	Number of total neurons	Coverage value
All model	32235	56320	57.24%

Threshold Coverage Values of Layers (TH = 0.75)

The table below shows threshold coverage values about the 'MaxVit' 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 'n01484850\n01484850_3544.JPEG' input in the data set to the model.

Layer index	Activation function	Number of covered neurons	Number of total neurons	Coverage value
Layer 33	Sigmoid	82	256	32.03%
Layer 91	Sigmoid	191	256	74.61%
Layer 153	Sigmoid	373	512	72.85%
Layer 211	Sigmoid	391	512	76.37%
Layer 273	Sigmoid	703	1024	68.65%
Layer 331	Sigmoid	441	1024	43.07%
Layer 389	Sigmoid	443	1024	43.26%
Layer 447	Sigmoid	394	1024	38.48%
Layer 505	Sigmoid	357	1024	34.86%
Layer 567	Sigmoid	887	2048	43.31%
Layer 625	Sigmoid	744	2048	36.33%
Layer 668	Tanh	8	512	1.56%
All model	-	5014	11264	44.51%