

Let's Take a Brief

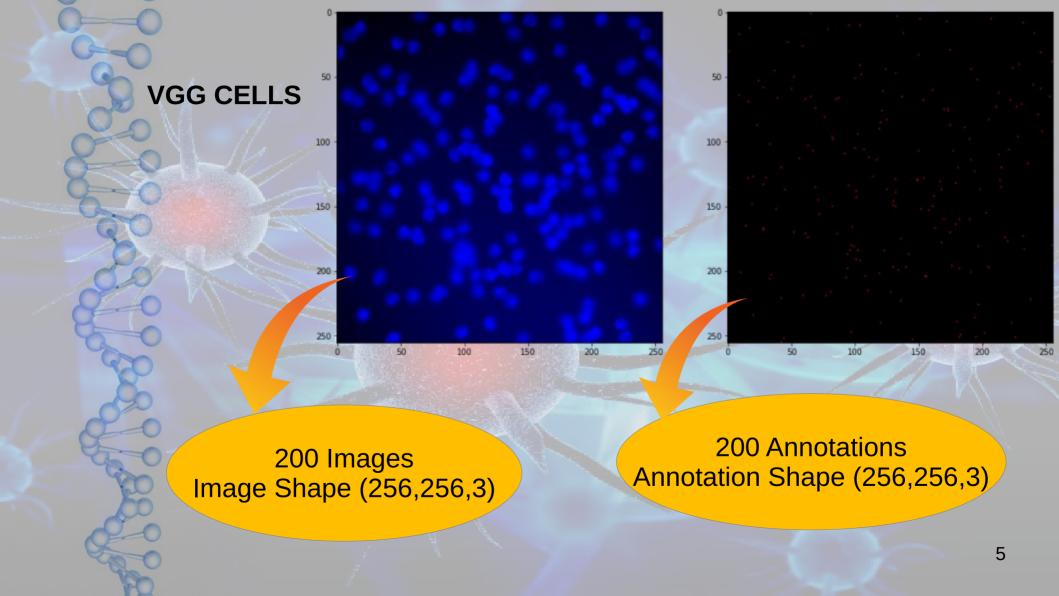
Look on The

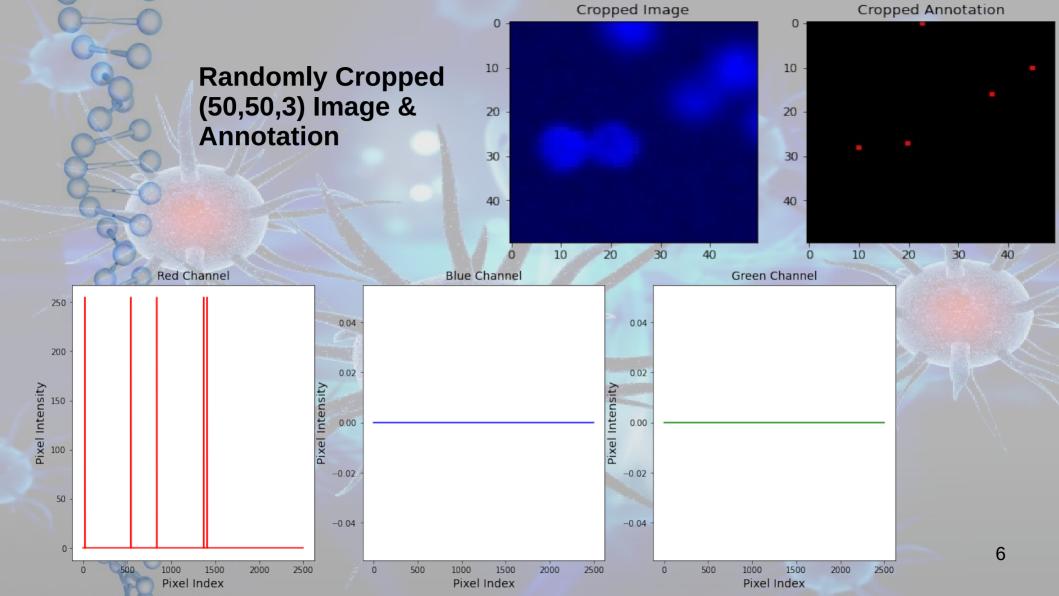
DataSet First

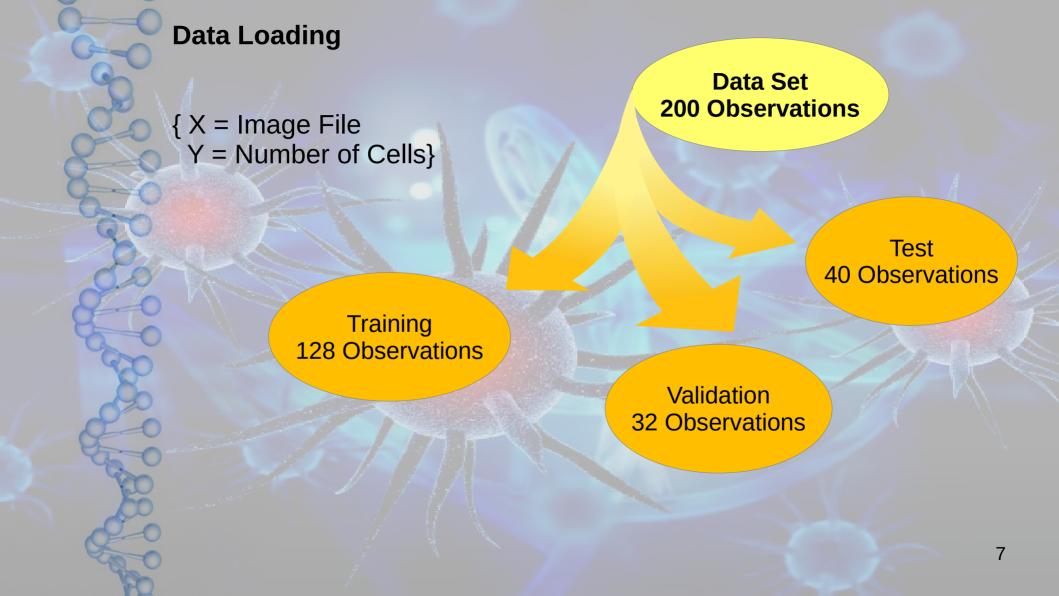


DataSet Link

https://github.com/ieee8023/countception









Convolutional Neural Network (CNN)

Max Pool --> (2x2) Stride = 2

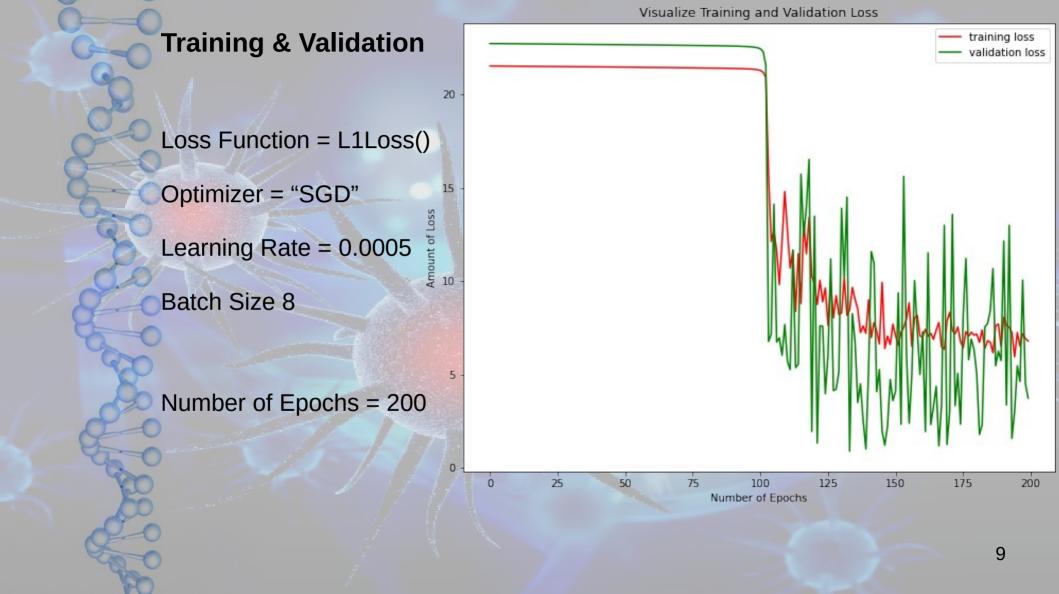
Drop Out --> 0.20

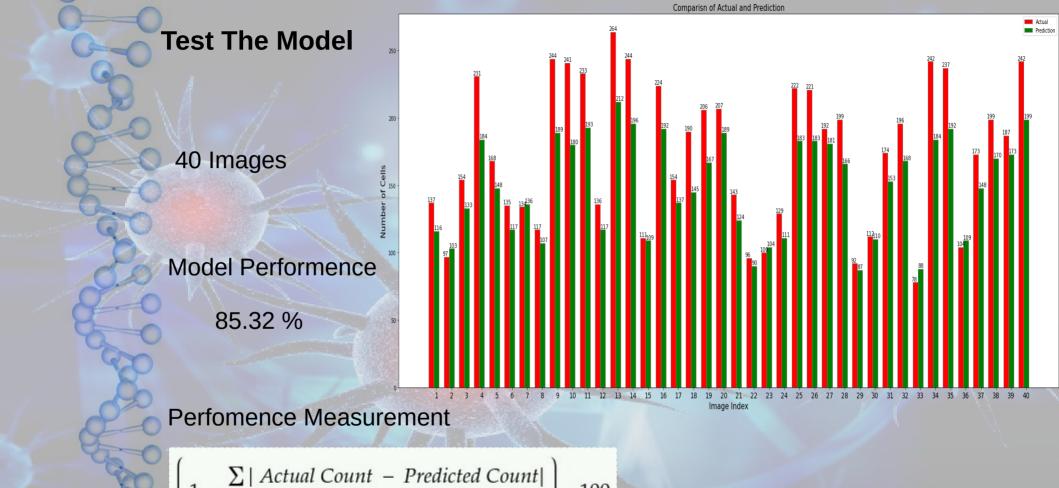
(5x5) 6 filters Stride=1 pad=2 (3x3) 16 filters Stride=1 pad=1 (3x3) 32 filters Stride=1 pad=1

Flatten The Image Hidden Layer 1200 Neuron Hidden Layer 120 Neuron

Hidden Layer 84 Neuron Hidden Layer 10 Neuron Output Layer 1 Neuron

Activation = "Relu"



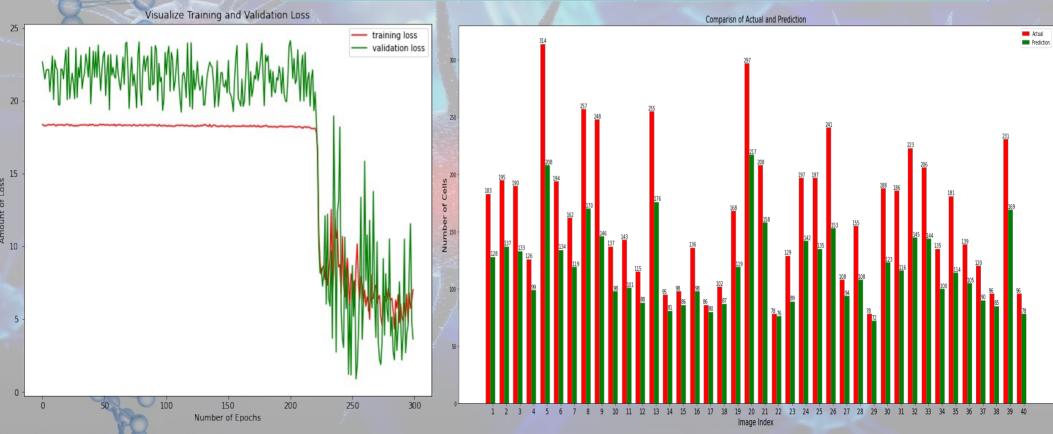


 \sum Actual Count

* 100

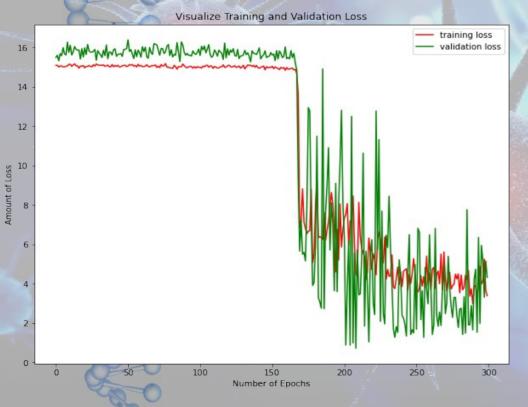
Another Test Case

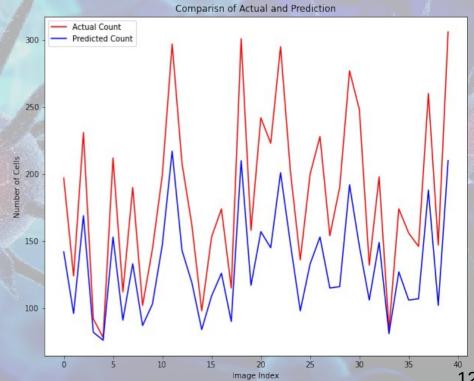
Epochs	Learning Rate	Batch Size	Performence
300	0.0005	10	83.22 %



Another Test Case II

Epochs	Learning Rate	Batch Size	Performence
300	0.0005	12	71.80 %





Another Test Case III

Epochs	Learning Rate	Batch Size	Momentum	Nesterov	Performence
300	0.0005	8	0.9	True	65.19 %

