

Summary of the improved architecture:

Model: "sequential\_126"

Layer (type)	Output Shape	Param #
=====		
conv2d_603 (Conv2D)	(None, 26, 26, 32)	320
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conv2d_604 (Conv2D)	(None, 24, 24, 128)	36992
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max_pooling2d_297 (MaxPoolin	(None, 12, 12, 128)	0
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conv2d_605 (Conv2D)	(None, 8, 8, 128)	409728
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conv2d_606 (Conv2D)	(None, 6, 6, 64)	73792
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max_pooling2d_298 (MaxPoolin	(None, 3, 3, 64)	0
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conv2d_607 (Conv2D)	(None, 1, 1, 64)	36928
-----		
flatten_73 (Flatten)	(None, 64)	0
-----		
dense_158 (Dense)	(None, 32)	2080
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dense_159 (Dense)	(None, 10)	330
=====		
Total params: 560,170		
Trainable params: 560,170		
Non-trainable params: 0		
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Model performance:

	Accuracy	Loss
Train	0.943733	0.154034
Test	0.914300	0.256925