

Layer (type)	Output Shape	Param #
conv2d_6 (Conv2D)	(None, 46, 46, 32)	320
batch_normalization_7 (BatchNormalization)	(None, 46, 46, 32)	128
conv2d_7 (Conv2D)	(None, 44, 44, 64)	18,496
batch_normalization_8 (BatchNormalization)	(None, 44, 44, 64)	256
max_pooling2d_3 (MaxPooling2D)	(None, 22, 22, 64)	0
dropout_4 (Dropout)	(None, 22, 22, 64)	0
conv2d_8 (Conv2D)	(None, 20, 20, 128)	73,856
batch_normalization_9 (BatchNormalization)	(None, 20, 20, 128)	512
conv2d_9 (Conv2D)	(None, 18, 18, 128)	147,584
batch_normalization_10 (BatchNormalization)	(None, 18, 18, 128)	512
max_pooling2d_4 (MaxPooling2D)	(None, 9, 9, 128)	0
dropout_5 (Dropout)	(None, 9, 9, 128)	0
conv2d_10 (Conv2D)	(None, 7, 7, 256)	295,168
batch_normalization_11 (BatchNormalization)	(None, 7, 7, 256)	1,024
conv2d_11 (Conv2D)	(None, 5, 5, 256)	590,080
batch_normalization_12 (BatchNormalization)	(None, 5, 5, 256)	1,024
max_pooling2d_5 (MaxPooling2D)	(None, 2, 2, 256)	0
dropout_6 (Dropout)	(None, 2, 2, 256)	0
flatten_1 (Flatten)	(None, 1024)	0
dense_2 (Dense)	(None, 256)	262,400
batch_normalization_13 (BatchNormalization)	(None, 256)	1,024
dropout_7 (Dropout)	(None, 256)	0
dense_3 (Dense)	(None, 7)	1,799

Total params: 4,178,071 (15.94 MB)
 Trainable params: 1,391,943 (5.31 MB)
 Non-trainable params: 2,240 (8.75 KB)
 Optimizer params: 2,783,888 (10.62 MB)