```
Model: "multi_input_model_v3"


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 Layer (type)                   Output Shape         Param #     Connected to
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 cnn_input (InputLayer)         [(None, 256, 256, 1   0           []
                                )]

 conv2d_15 (Conv2D)             (None, 256, 256, 32   320         ['cnn_input[0][0]']
                                )

 activation_25 (Activation)     (None, 256, 256, 32   0           ['conv2d_15[0][0]']
                                )

 batch_normalization_25 (BatchN (None, 256, 256, 32   128         ['activation_25[0][0]']
 ormalization)                  )

 max_pooling2d_15 (MaxPooling2D (None, 128, 128, 32   0           ['batch_normalization_25[0][0]']
 )                              )

 conv2d_16 (Conv2D)             (None, 128, 128, 64   18496       ['max_pooling2d_15[0][0]']
                                )

 activation_26 (Activation)     (None, 128, 128, 64   0           ['conv2d_16[0][0]']
                                )

 batch_normalization_26 (BatchN (None, 128, 128, 64   256         ['activation_26[0][0]']
 ormalization)                  )

 max_pooling2d_16 (MaxPooling2D (None, 64, 64, 64)    0           ['batch_normalization_26[0][0]']
 )

 conv2d_17 (Conv2D)             (None, 64, 64, 128)   73856       ['max_pooling2d_16[0][0]']

 activation_27 (Activation)     (None, 64, 64, 128)   0           ['conv2d_17[0][0]']

 batch_normalization_27 (BatchN (None, 64, 64, 128)   512         ['activation_27[0][0]']
 ormalization)

 max_pooling2d_17 (MaxPooling2D (None, 32, 32, 128)   0           ['batch_normalization_27[0][0]']
 )

 flatten_5 (Flatten)            (None, 131072)        0           ['max_pooling2d_17[0][0]']

 dense_30 (Dense)               (None, 32)            4194336     ['flatten_5[0][0]']

 activation_28 (Activation)     (None, 32)            0           ['dense_30[0][0]']

 batch_normalization_28 (BatchN (None, 32)            128         ['activation_28[0][0]']
 ormalization)

 dropout_10 (Dropout)           (None, 32)            0           ['batch_normalization_28[0][0]']

 dense_31 (Dense)               (None, 8)             264         ['dropout_10[0][0]']

 activation_29 (Activation)     (None, 8)             0           ['dense_31[0][0]']

 mlp_input (InputLayer)         [(None, 4)]           0           []

 batch_normalization_29 (BatchN (None, 8)             32          ['activation_29[0][0]']
 ormalization)

 dense_29 (Dense)               (None, 8)             40          ['mlp_input[0][0]']

 dropout_11 (Dropout)           (None, 8)             0           ['batch_normalization_29[0][0]']

 concatenate_5 (Concatenate)    (None, 16)            0           ['dense_29[0][0]',
                                                                   'dropout_11[0][0]']

 dense_32 (Dense)               (None, 64)            1088        ['concatenate_5[0][0]']

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 dense_33 (Dense)              (None, 32)          2080        ['dense_32[0][0]']

 class_output (Dense)          (None, 15)          495         ['dense_33[0][0]']

==================================================================================================
Total params: 4,292,031
Trainable params: 4,291,503
Non-trainable params: 528
```