```
Layer (type)                   Output Shape              Param #
=================================================================
conv2d (Conv2D)                (None, 68, 68, 32)        320

max_pooling2d (MaxPooling2D)  (None, 34, 34, 32)        0

conv2d_1 (Conv2D)              (None, 32, 32, 64)        18496

max_pooling2d_1 (MaxPooling2   (None, 16, 16, 64)        0

conv2d_2 (Conv2D)              (None, 14, 14, 128)       73856

max_pooling2d_2 (MaxPooling2   (None, 7, 7, 128)         0

flatten (Flatten)              (None, 6272)              0

dense (Dense)                  (None, 128)               802944

dropout (Dropout)              (None, 128)               0

dense_1 (Dense)                (None, 64)                8256

dropout_1 (Dropout)            (None, 64)                0

dense_2 (Dense)                (None, 2)                 130
=================================================================
Total params: 904,002
Trainable params: 904,002
Non-trainable params: 0
```

Dropout of 0.5 after each Dense layer
Output layer activation: Softmax
Loss function: binary_crossentropy