```
C:\Colin\MoonRaft\FakeImageDetection\venv\Scripts\python.exe C:/Colin/MoonRaft/FakeImageDetection/FakeImageDetection.py
Found 100000 files belonging to 2 classes.
2023-09-22 03:28:07.728665: I tensorflow/core/platform/cpu_feature_guard.cc:193] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations:  AVX AVX2
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
2023-09-22 03:28:08.183875: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1616] Created device /job:localhost/replica:0/task:0/device:GPU:0 with 3989 MB memory:  -> device: 0, name: NVIDIA GeForce GTX 1660 Ti, pci bus id: 0000:01:00.0, compute capability: 7.5
Found 20000 files belonging to 2 classes.
Training Classes:
['FAKE', 'REAL']
Testing Classes:
['FAKE', 'REAL']
Model: "sequential"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 rescaling (Rescaling)       (None, 32, 32, 3)         0

 conv2d (Conv2D)             (None, 32, 32, 32)        896

 max_pooling2d (MaxPooling2D  (None, 16, 16, 32)       0
 )
```

```
20
21

22  conv2d_1 (Conv2D)           (None, 14, 14, 32
   )         9248
23

24  max_pooling2d_1 (MaxPooling  (None, 7, 7, 32
   )          0
25  2D
   )

26

27  conv2d_2 (Conv2D)           (None, 5, 5, 64
   )           18496
28

29  max_pooling2d_2 (MaxPooling  (None, 2, 2, 64
   )          0
30  2D
   )

31

32  flatten (Flatten)           (None, 256
   )                0
33

34  dense (Dense)               (None, 64
   )                16448
35

36  dropout (Dropout)           (None, 64
   )                 0
37

38  dense_1 (Dense)             (None, 1
   )                  65
39
```

```
40 =================================================================
   ============
41 Total params: 45,153
42 Trainable params: 45,153
43 Non-trainable params: 0
44 _________________________________________________________________
   ____________
45 Epoch 1/5
46 2023-09-22 03:28:11.179349: I tensorflow/
   stream_executor/cuda/cuda_dnn.cc:384] Loaded cuDNN
   version 8100
47 3125/3125 [==============================] - 31s 9ms/
   step - loss: 0.3693 - accuracy: 0.8386 - precision: 0
   .8347 - recall: 0.8443 - val_loss: 0.2762 -
   val_accuracy: 0.8824 - val_precision: 0.9199 -
   val_recall: 0.8378
48 Epoch 2/5
49 3125/3125 [==============================] - 27s 9ms/
   step - loss: 0.2811 - accuracy: 0.8896 - precision: 0
   .8875 - recall: 0.8923 - val_loss: 0.2621 -
   val_accuracy: 0.9026 - val_precision: 0.8956 -
   val_recall: 0.9114
50 Epoch 3/5
51 3125/3125 [==============================] - 28s 9ms/
   step - loss: 0.2730 - accuracy: 0.8968 - precision: 0
   .8969 - recall: 0.8966 - val_loss: 0.2833 -
   val_accuracy: 0.8827 - val_precision: 0.9358 -
   val_recall: 0.8219
52 Epoch 4/5
53 3125/3125 [==============================] - 28s 9ms/
   step - loss: 0.2705 - accuracy: 0.8992 - precision: 0
   .8994 - recall: 0.8989 - val_loss: 0.2736 -
   val_accuracy: 0.8913 - val_precision: 0.8429 -
   val_recall: 0.9619
54 Epoch 5/5
55 3125/3125 [==============================] - 28s 9ms/
   step - loss: 0.2650 - accuracy: 0.9017 - precision: 0
   .9025 - recall: 0.9008 - val_loss: 0.2249 -
   val_accuracy: 0.9143 - val_precision: 0.9125 -
   val_recall: 0.9165
56
```

```
57 Process finished with exit code 0
58
```