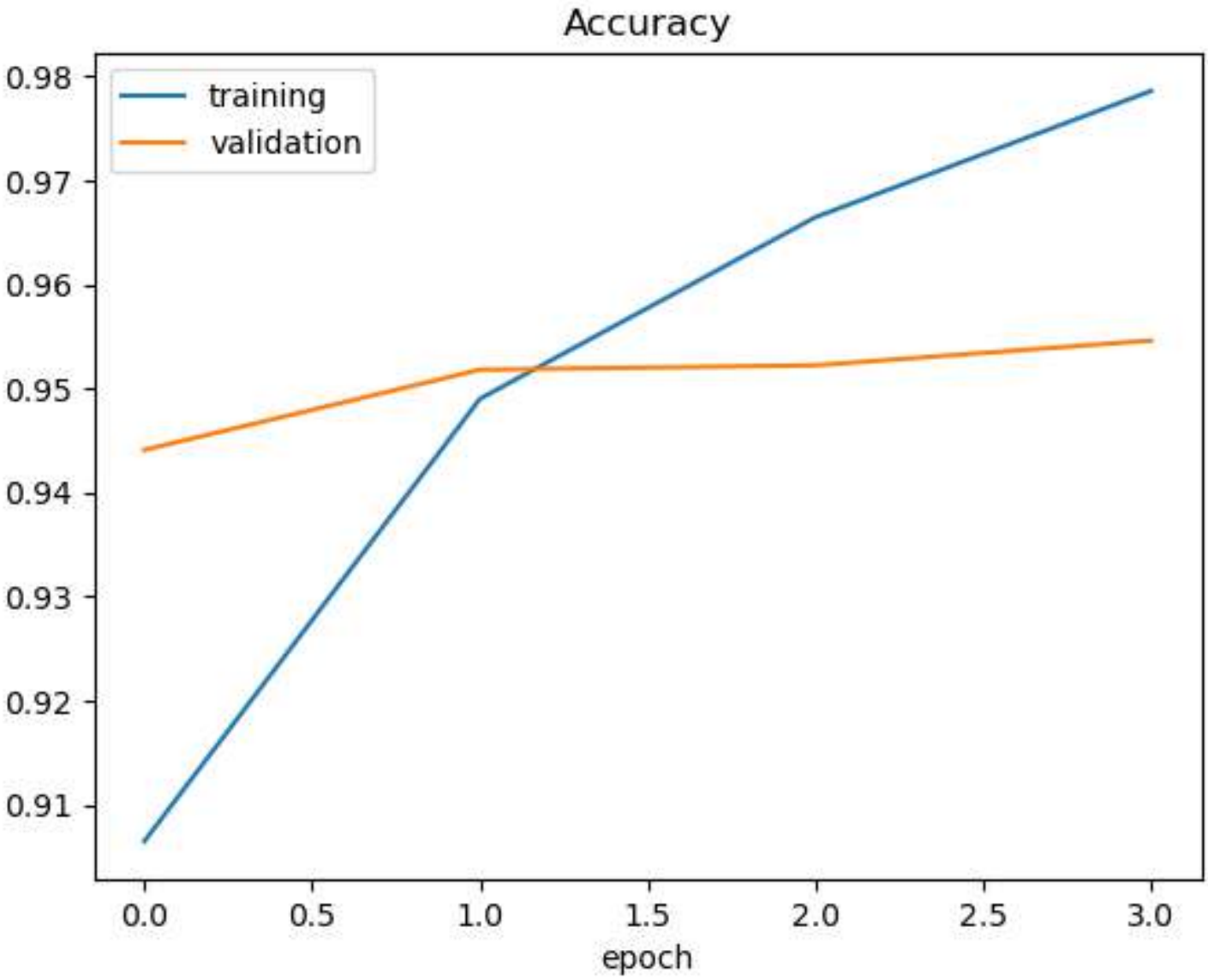
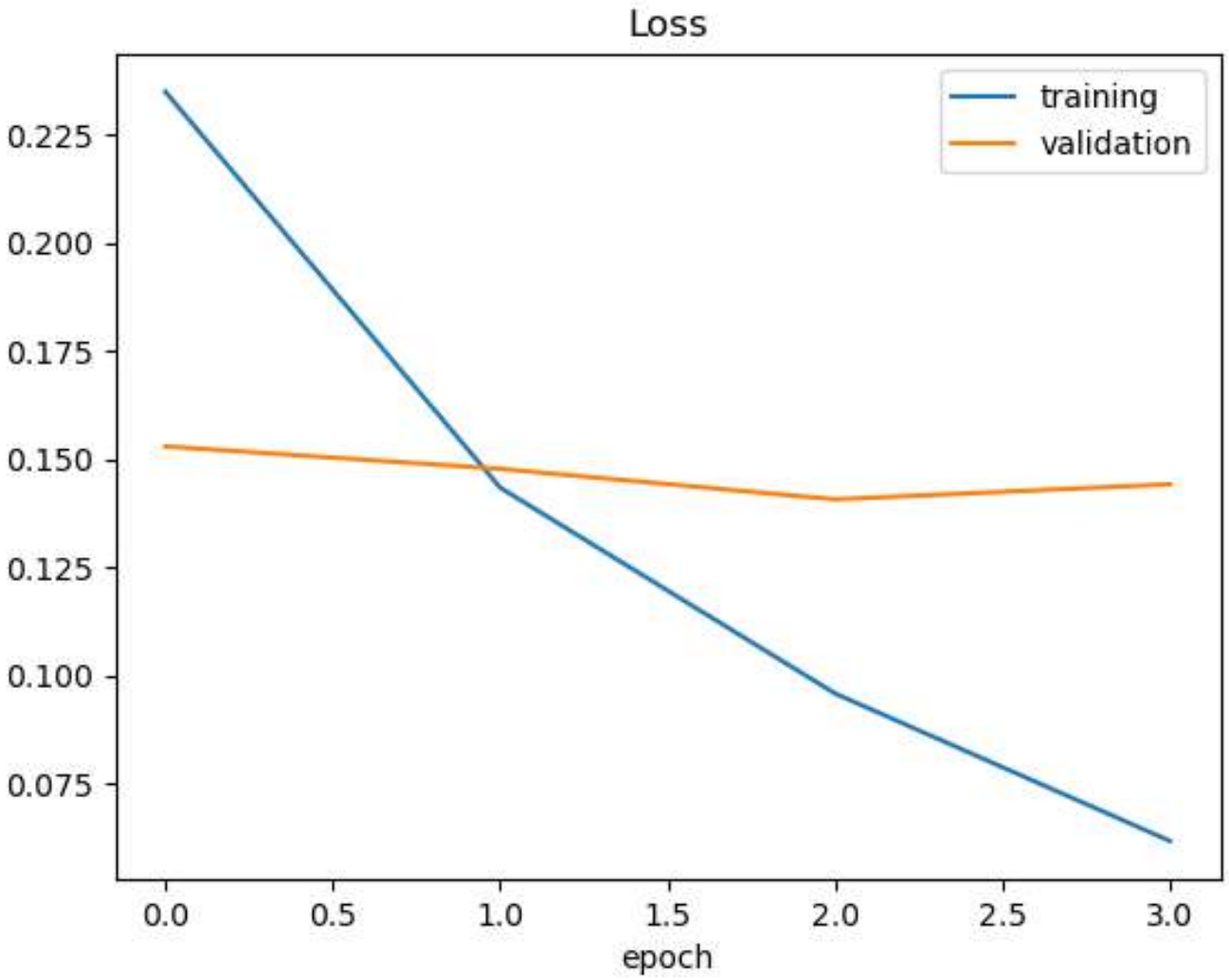
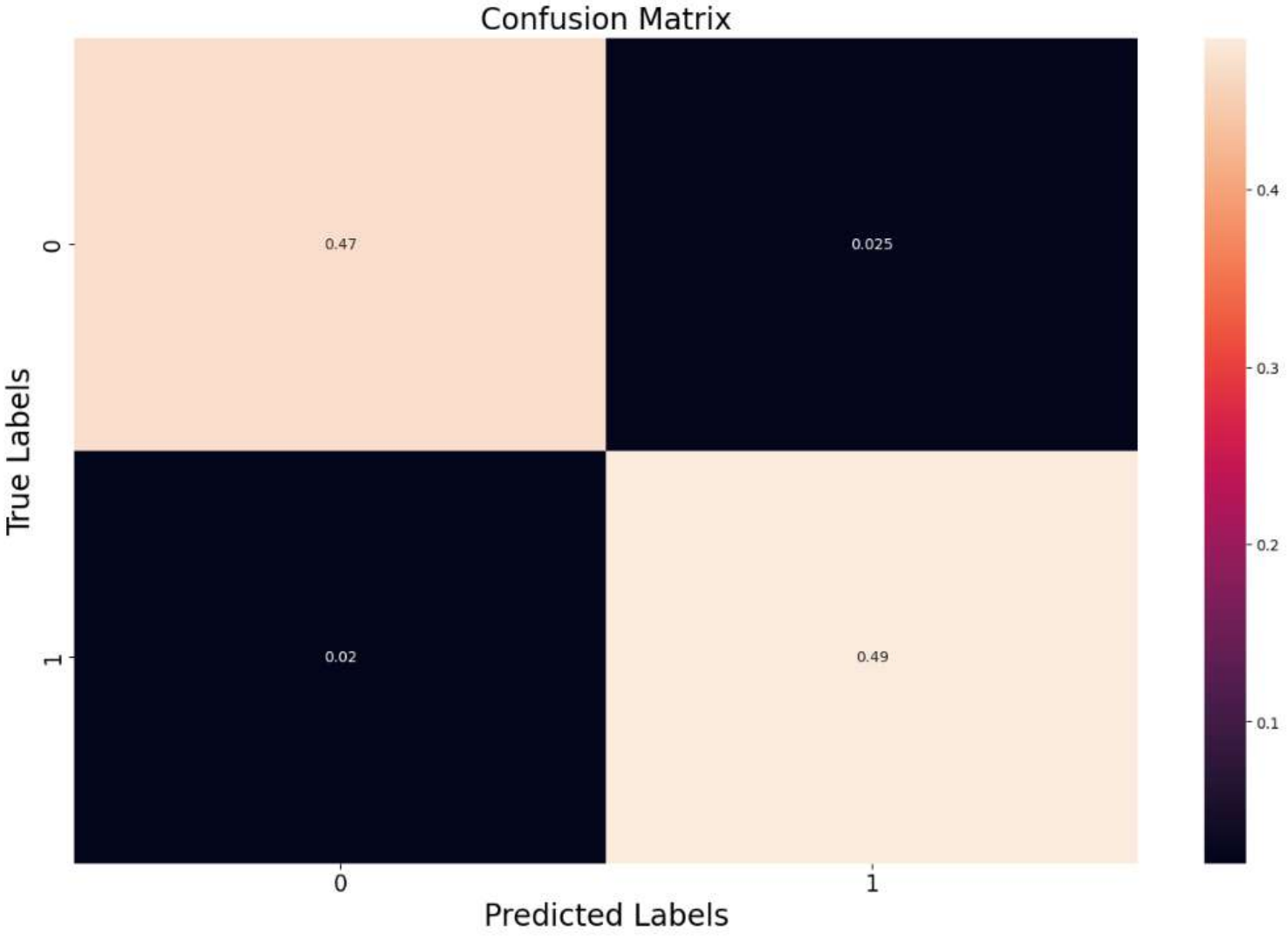

Accuracy
training
validation
0.98
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0.0
0.5
1.0
1.5
2.0
2.5
3.0
epoch


Loss
training
validation
0.225
0.200
0.175
0.150
0.125
0.100
0.075
0.0
0.5
1.0
1.5
2.0
2.5
3.0
epoch

```
Epoch 1/4
461/461 [==============================] - 155s 326ms/step - loss: 0.2348 - accuracy: 0.9065 - val_loss: 0.1529 - val
_accuracy: 0.9441
Epoch 2/4
461/461 [==============================] - 135s 293ms/step - loss: 0.1434 - accuracy: 0.9490 - val_loss: 0.1477 - val
_accuracy: 0.9518
Epoch 3/4
461/461 [==============================] - 160s 346ms/step - loss: 0.0958 - accuracy: 0.9665 - val_loss: 0.1407 - val
_accuracy: 0.9522
Epoch 4/4
461/461 [==============================] - 172s 374ms/step - loss: 0.0617 - accuracy: 0.9786 - val_loss: 0.1441 - val
_accuracy: 0.9546
1784/1784 [==============================] - 92s 51ms/step - loss: 0.0387 - accuracy: 0.9899
446/446 [==============================] - 19s 42ms/step - loss: 0.1441 - accuracy: 0.9546
Train Loss: 0.03865823522210121
Train Accuracy: 0.9899088740348816
Test Loss: 0.14414335787296295
Test Accuracy: 0.9545932412147522
```

Classification Report on Training set

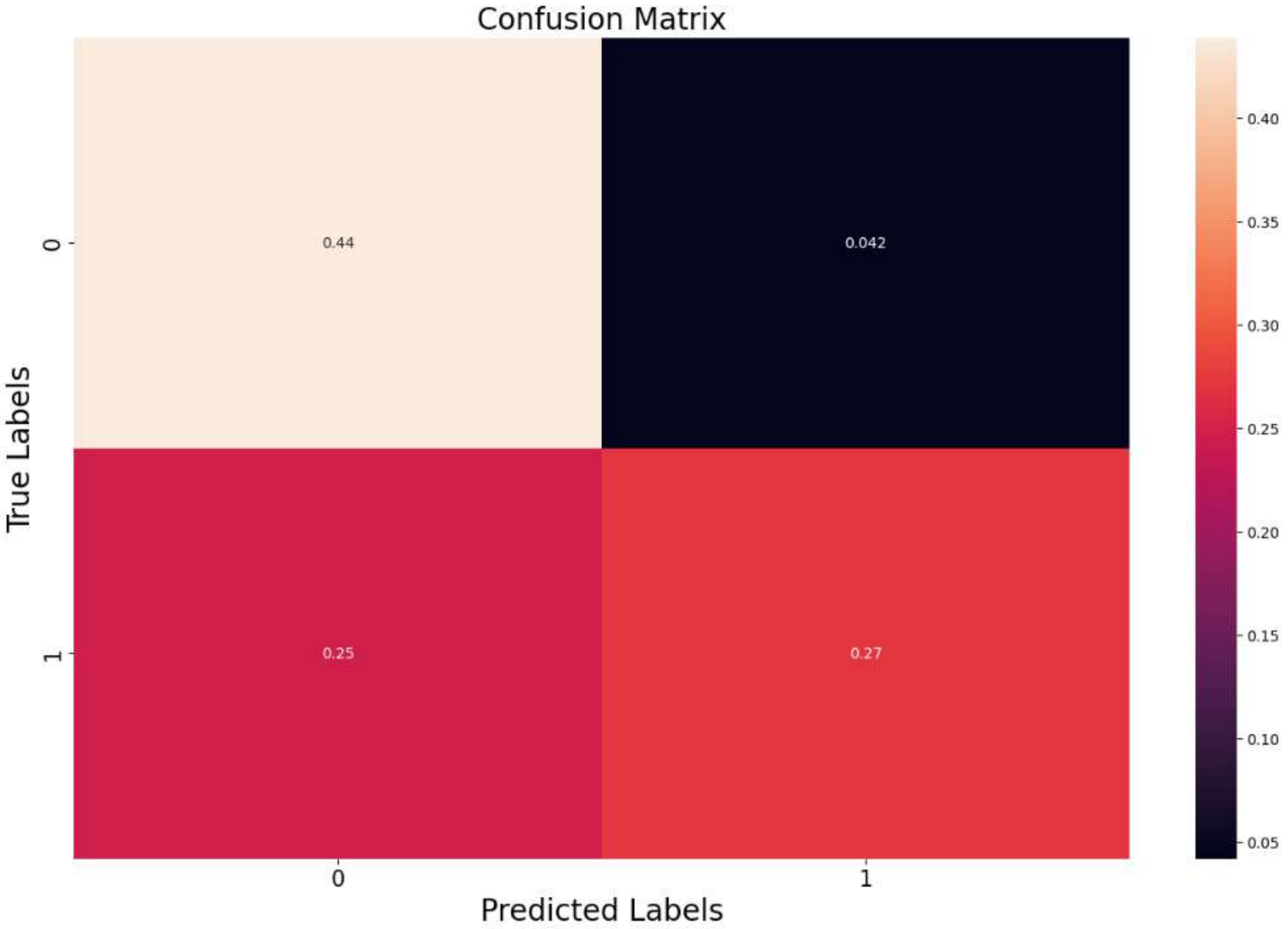
	precision	recall	f1-score	support
0	0.96	0.95	0.95	7057
1	0.95	0.96	0.96	7214
accuracy			0.95	14271
macro avg	0.95	0.95	0.95	14271
weighted avg	0.95	0.95	0.95	14271


Confusion Matrix
0.47
0.025
0.02
0.49
0
1
True Labels
0
1
Predicted Labels
0.4
0.3
0.2
0.1

Classification Report on Fake News Corpus Validation set

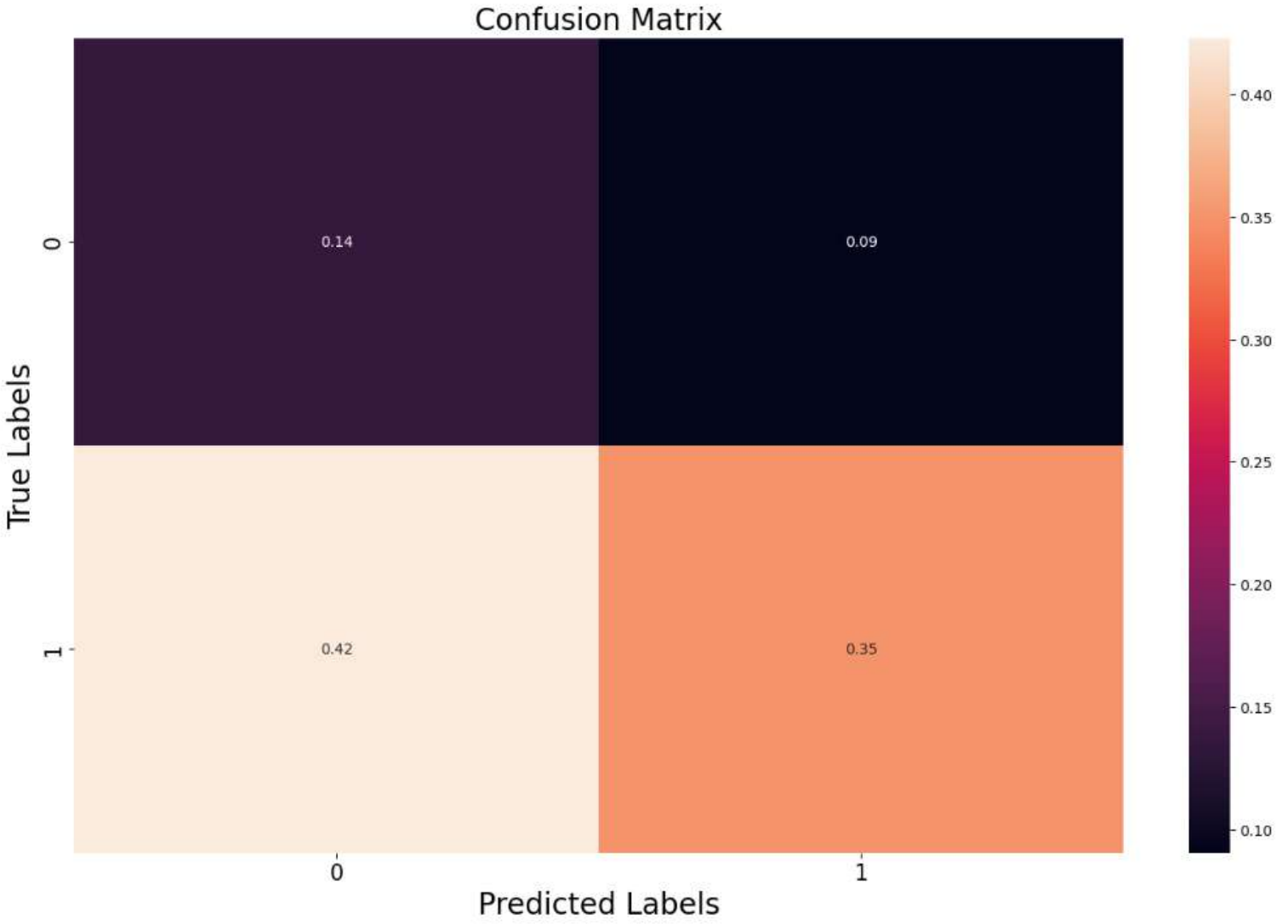
	precision	recall	f1-score	support
0	0.64	0.91	0.75	4809
1	0.87	0.52	0.65	5191
accuracy			0.71	10000
macro avg	0.75	0.72	0.70	10000
weighted avg	0.76	0.71	0.70	10000

```
Accuracy on testing set: 0.7104
Precision on testing set: 0.8660287081339713
Recall on testing set: 0.5230206125987286
```



Classification Report on LIAR set

	precision	recall	f1-score	support
0	0.24	0.60	0.35	1807
1	0.79	0.45	0.58	6162
accuracy			0.49	7969
macro avg	0.52	0.53	0.46	7969
weighted avg	0.67	0.49	0.52	7969


Confusion Matrix
0.14
0.09
0.42
0.35
True Labels
0
1
0
1
Predicted Labels
0.40
0.35
0.30
0.25
0.20
0.15
0.10