

Fine-tuned BERT:

	precision	recall	f1-score	support
0	0.00	0.00	0.00	23
1	0.00	0.00	0.00	45
2	0.46	1.00	0.63	57
accuracy			0.46	125
macro avg	0.15	0.33	0.21	125
weighted avg	0.21	0.46	0.29	125

[[0 0 23]
[0 0 45]
[0 0 57]]

Convolutional Neural Network:

Classification Report:

	precision	recall	f1-score	support
0	1.00	0.09	0.17	64
1	0.65	0.58	0.61	110
2	0.63	0.87	0.73	175
accuracy			0.64	349
macro avg	0.76	0.52	0.50	349
weighted avg	0.70	0.64	0.59	349

Confusion Matrix:

```
[[ 6 13 45]
 [ 0 64 46]
 [ 0 22 153]]
```

Naive Bayes:

Classification Report:

	precision	recall	f1-score	support
0	0.75	0.14	0.24	21
1	0.50	0.29	0.37	34
2	0.51	0.87	0.64	45
accuracy			0.52	100
macro avg	0.59	0.43	0.42	100
weighted avg	0.56	0.52	0.47	100

Confusion Matrix:

```
[[ 3 4 14]
 [ 1 10 23]
 [ 0 6 39]]
```

Random Forest:

Accuracy: 0.48

Classification Report:

	precision	recall	f1-score	support
0	0.33	0.15	0.21	20
1	0.38	0.19	0.25	32
2	0.52	0.81	0.63	48
accuracy			0.48	100
macro avg	0.41	0.38	0.36	100
weighted avg	0.44	0.48	0.43	100

Sample Features: {'NushuLength': 7, 'NumUniqueChars': 7}

Predicted Sentiment: 2