Logistic Regression

Accuracy: 73.53%

Classification Report:

```
                precision    recall  f1-score   support

        0.0         0.75      0.92      0.82      1091
        1.0         0.69      0.37      0.48       541

    accuracy                            0.74      1632
   macro avg         0.72      0.64      0.65      1632
weighted avg         0.73      0.74      0.71      1632
```

Confusion Matrix: [[999 92]
                        [340 201]]

Top 10 Most Important Features

```
Top 10 Most Important Features:
                  feature  importance
4         sentence_length    0.298576
1          named_entities    0.120712
12               IN_ratio    0.114499
5         past_tense_ratio    0.080811
3             readability    0.045145
9                VB_ratio    0.044314
6      present_tense_ratio   -0.001107
7                NN_ratio   -0.002808
11               RB_ratio   -0.008453
10               JJ_ratio   -0.033296
```

Optimal threshold: 0.3571