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| --- | --- | --- |
| **Model** | **Accuracy (%)** | **Note** |
| |  | | --- | | Logistic Regression |  |  | | --- | |  | | 85.84 | Good performance, effective feature representation |
| FNN | 81.49 | |  | | --- | | Slightly lower performance on text data |  |  | | --- | |  | |
| RNN | 82.78 | |  | | --- | | Better suited for sequence data |  |  | | --- | |  | |
| Improved RNN | 86 | |  | | --- | | Enhanced model achieved improved accuracy |  |  | | --- | |  | |
| Random Forest | 84 | |  | | --- | | Good performance, typically lower for text data |  |  | | --- | |  | |
| |  | | --- | | GridSearchCV (Optimized Logistic Regression) |  |  | | --- | |  | | |  | | --- | | 86.48 |  |  | | --- | |  | | Best performance achieved through hyperparameter tuning |