|  | **Precision** | **Recall** | **F-score** |
| --- | --- | --- | --- |
| **Base model** | 0.93 | 0.57 | 0.71 |
| **Weighted** | 0.75 | 0.88 | 0.81 |
| **SMOTE** | 0.81 | 0.85 | 0.83 |
| **Weighted + SMOTE** | 0.81 | 0.85 | 0.83 |
| **Tuned weighted** | 0.89 | 0.86 | 0.88 |
| **Tuned RoBERTA** | 0.92 | 0.92 | 0.92 |