```
Recall: 0.8696
Precision: 0.9900
```

Best Hyperparameters: {'solver': 'liblinear', 'penalty': 'l1', 'C': 0.1}

Classification Report:

precision recall f1-score support

 0
 0.88
 0.99
 0.93
 85149

 1
 0.99
 0.87
 0.93
 85440

accuracy 0.93 170589 macro avg 0.94 0.93 0.93 170589 weighted avg 0.94 0.93 0.93 170589