


# AI Task Priority Prediction Dashboard

Use AI models to classify the **priority level** of tasks based on their descriptions.

 Enter a task description to predict priority and analyze sentiment:


Today I am Feel Happy



Random Forest Prediction: Medium



XGBoost Prediction: Medium

 Sentiment Analysis

Polarity

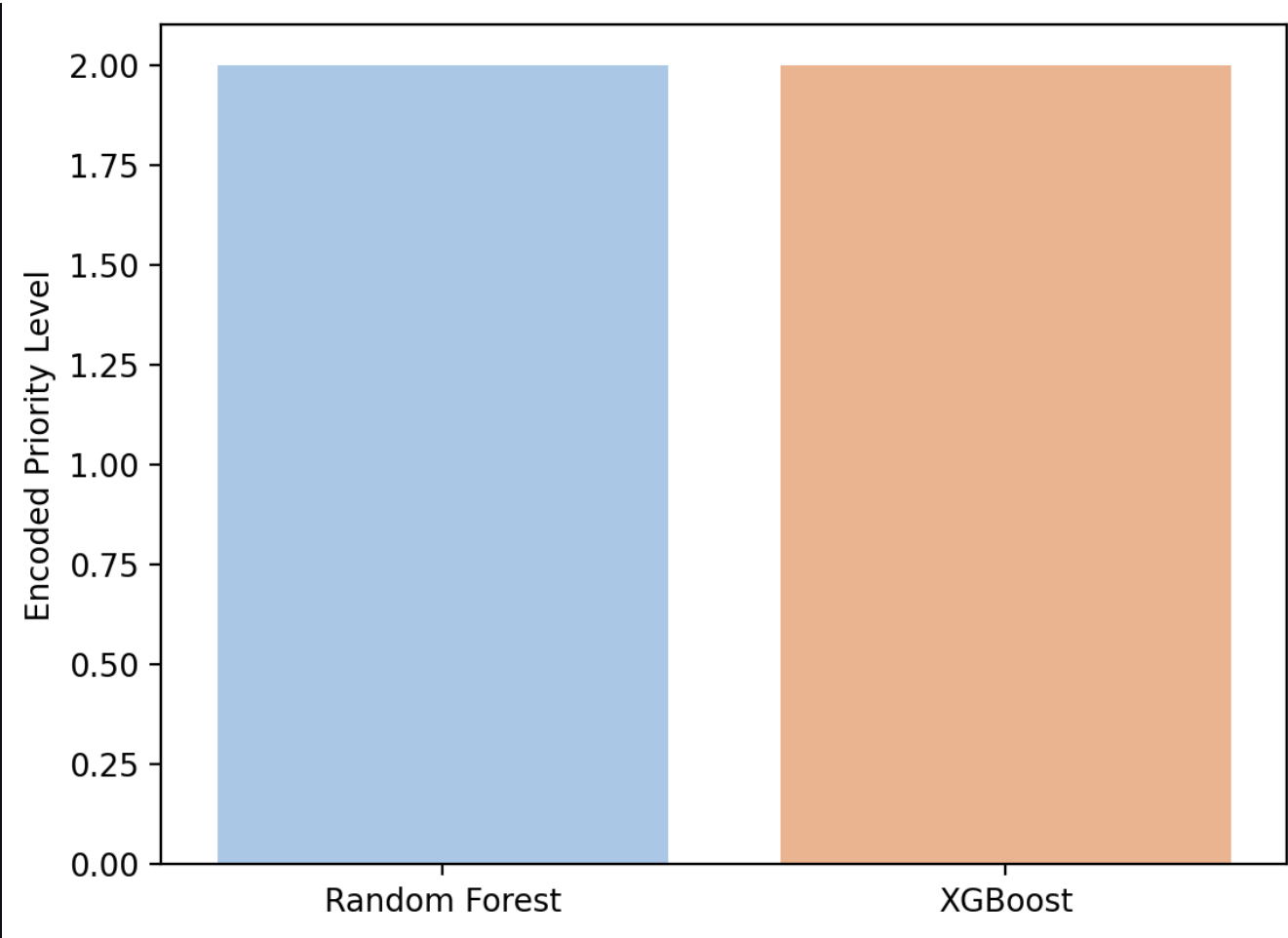
0.80

Sentiment

Positive



## Task Insights



Show Evaluation Metrics & Confusion Matrices



## Random Forest Metrics

precision recall f1-score support

Medium 1.00 1.00 1.00 1

accuracy 1.00 1

macro avg 1.00 1.00 1.00 1

weighted avg 1.00 1.00 1.00 1

Accuracy

1.00

Precision

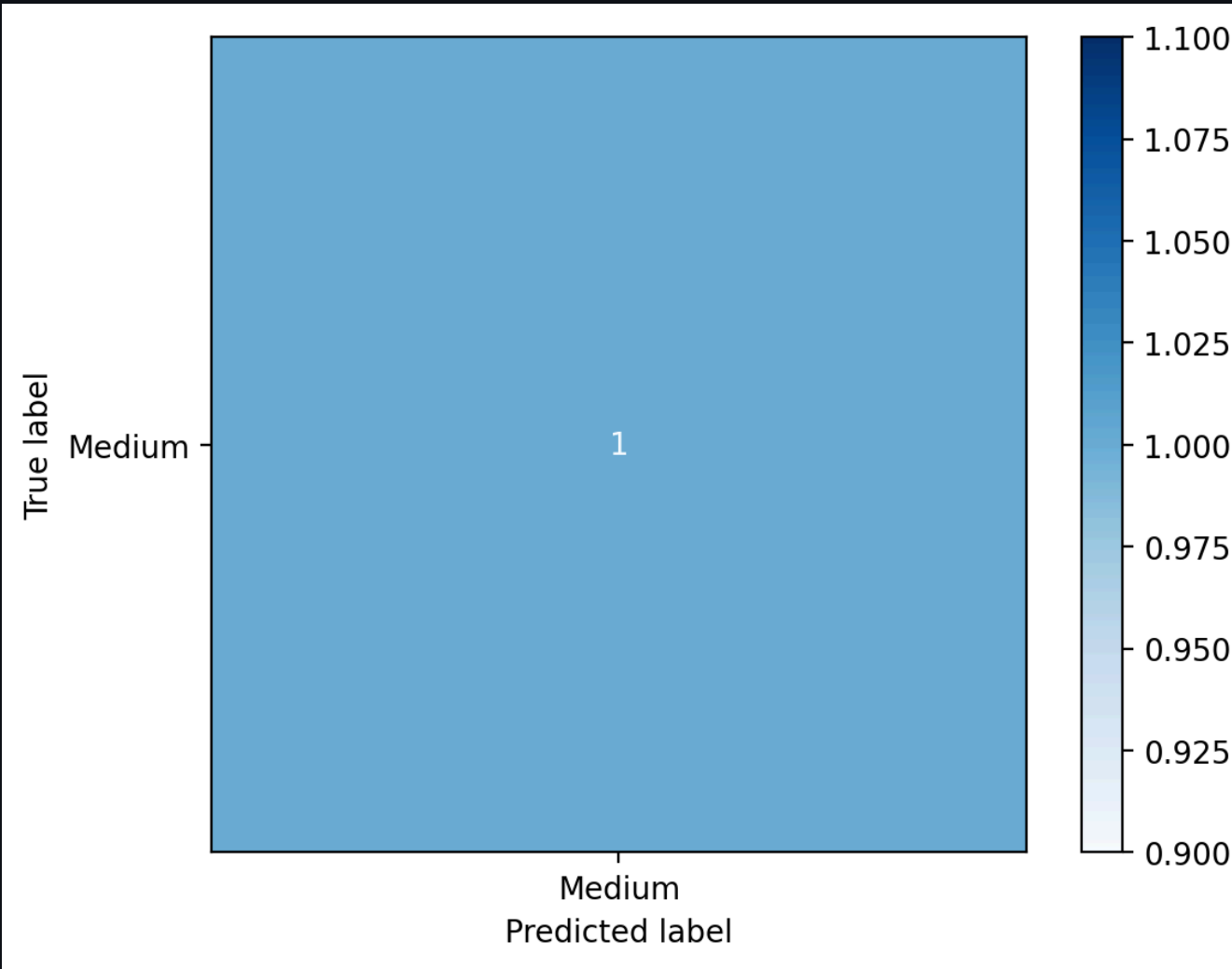
1.00

Recall

1.00

F1 Score

1.00



## XGBoost Metrics

precision recall f1-score support

Medium 1.00 1.00 1.00 1

accuracy 1.00 1

macro avg 1.00 1.00 1.00 1

weighted avg 1.00 1.00 1.00 1

Accuracy

1.00

Precision

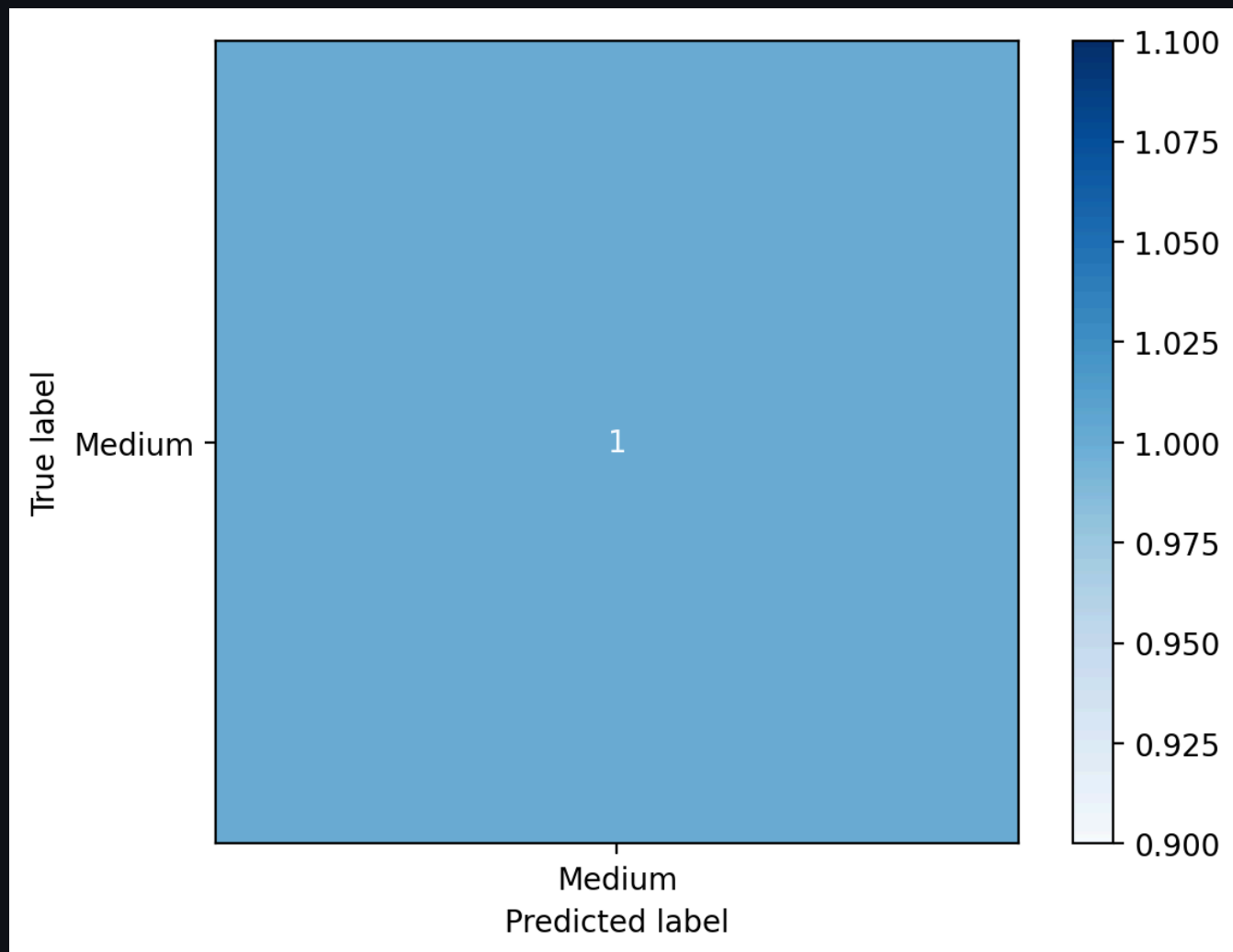
1.00

Recall






1.00

F1 Score

1.00



## Final Comments & Summary

-  **Finalize models** for task classification and priority prediction using Random Forest and XGBoost.
-  Dashboard enables **real-time predictions** and shows both model outcomes.
-  Includes **sentiment analysis** to assess task tone (positive/negative).
-  **Evaluation section** visualizes confusion matrices and classification metrics.
-  Use this interface to **demo your project**, share insights, and validate model performance.

