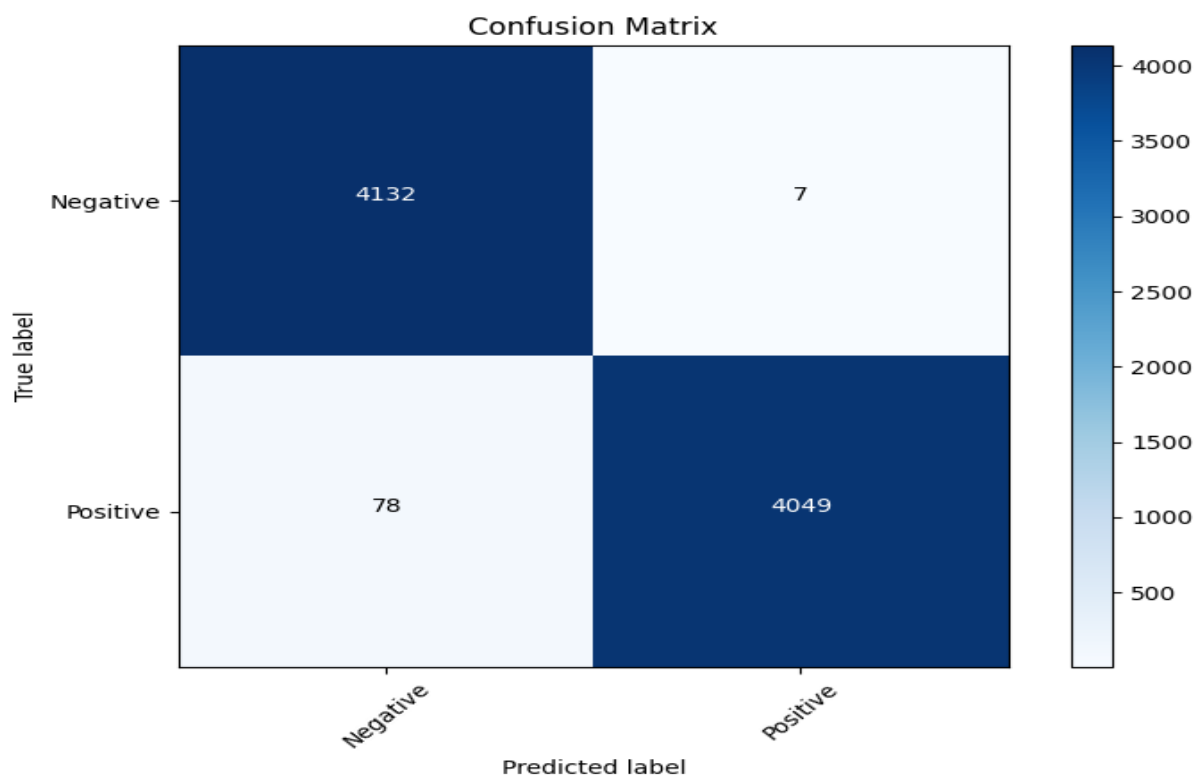**WALLETSHIELD**

Confusion Matrix Explanation

It provides insight into the performance of the model by summarizing the counts of
true positive (TP), true negative (TN), false positive (FP)
and false negative (FN) predictions.

Interpretation:
- True Negative (TN): instances were correctly classified as negative.
- False Positive (FP): instances were incorrectly classified as positive.
- False Negative (FN): instances were incorrectly classified as negative.
- True Positive (TP): instances were correctly classified as positive.

Utilization:
- Accuracy: The overall accuracy of the model can be calculated as the ratio
of correct predictions (TP + TN) to the total number of instances.
- Precision: Precision measures the proportion of true positive
predictions among all positive predictions (TP / (TP + FP)).
- Recall (Sensitivity): Recall calculates the proportion of
true positive predictions among all actual positives (TP / (TP + FN)).
- F1-Score: The F1-score, the harmonic mean of precision and
recall, provides a balanced measure of a model's performance.

Confusion Matrix

	Negative (Predicted)	Positive (Predicted)
Negative (True)	4132	7
Positive (True)	78	4049

True label / Predicted label

Top 5 variables with positive correlation

Top 5 variables with positive correlation

	Correlation
TransactionID	0.790
TransactionDT	0.761
V302	0.481
V304	0.463
V34	0.454

Top 5 variables with negative correlation

Top 5 variables with negative correlation

	Correlation
ProductCD_W	-0.470
R_emaildomain_	-0.460
V29	-0.361
V30	-0.349
card6_debit	-0.315