

Revenue Rescue Analytics Report

Generated on: 2025-06-11 23:41:35

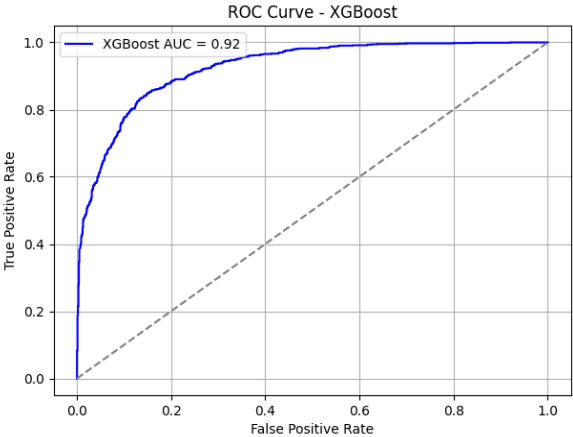
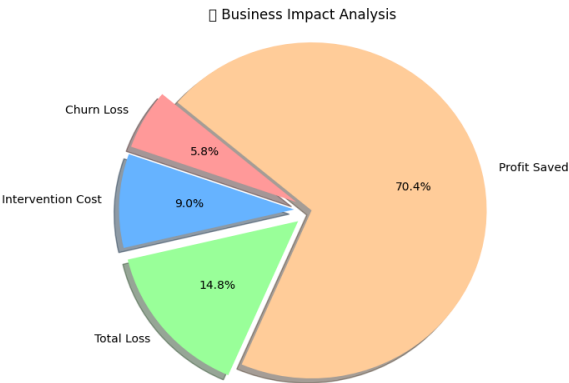
Business Impact Summary:

Churn Loss: \$140,000.00
Intervention Cost: \$219,200.00
Total Loss: \$359,200.00
Profit Saved: \$1,710,800.00

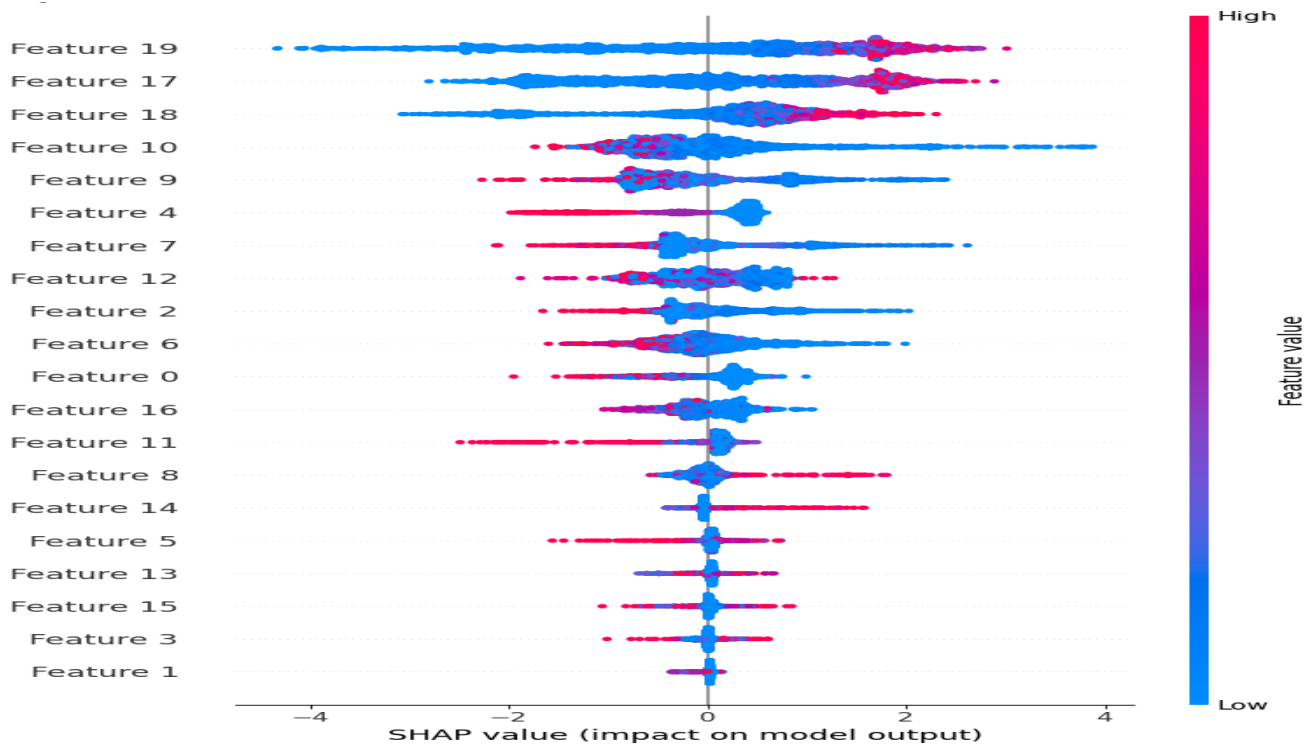
Classification Report:

	precision	recall	f1-score	support
0	0.86	0.82	0.84	1021
1	0.83	0.87	0.85	1049
accuracy	0.84			2070
macro avg	0.84	0.84	0.84	2070
weighted avg	0.84	0.84	0.84	2070

ROC-AUC Score: 0.9250



■ Model Explainability: SHAP Analysis



Top 10 Most Influential Features:

MonthlyCharges_to_Tenure: 1.2828
MonthlyCharges_MonthlyCharges_to_Tenure: 1.0830
MonthlyCharges_to_Tenure_TotalCharges_to_Tenure: 0.8119
PaperlessBilling_MonthlyCharges_to_Tenure: 0.6210
DeviceProtection_MonthlyCharges_to_Tenure: 0.6104
Contract: 0.5410
TechSupport_MonthlyCharges_to_Tenure: 0.4924
tenure_InternetService: 0.3984
StreamingMovies_MonthlyCharges_to_Tenure: 0.3763
PaymentMethod_MonthlyCharges_to_Tenure: 0.3734