

Revenue Rescue Analytics Report

Generated on: 2025-06-12 22:29:58

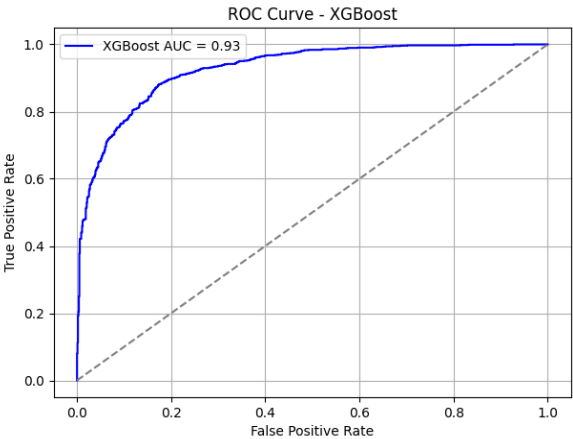
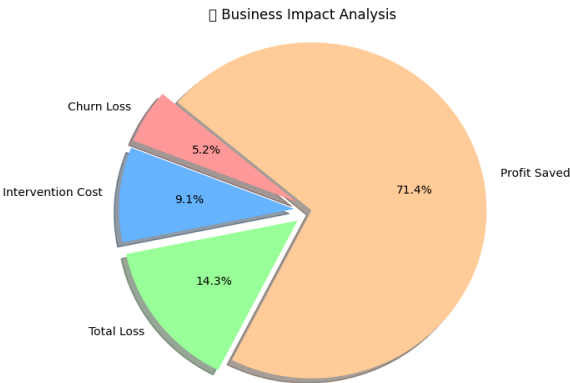
Business Impact Summary:

Churn Loss: \$125,000.00
Intervention Cost: \$220,400.00
Total Loss: \$345,400.00
Profit Saved: \$1,724,600.00

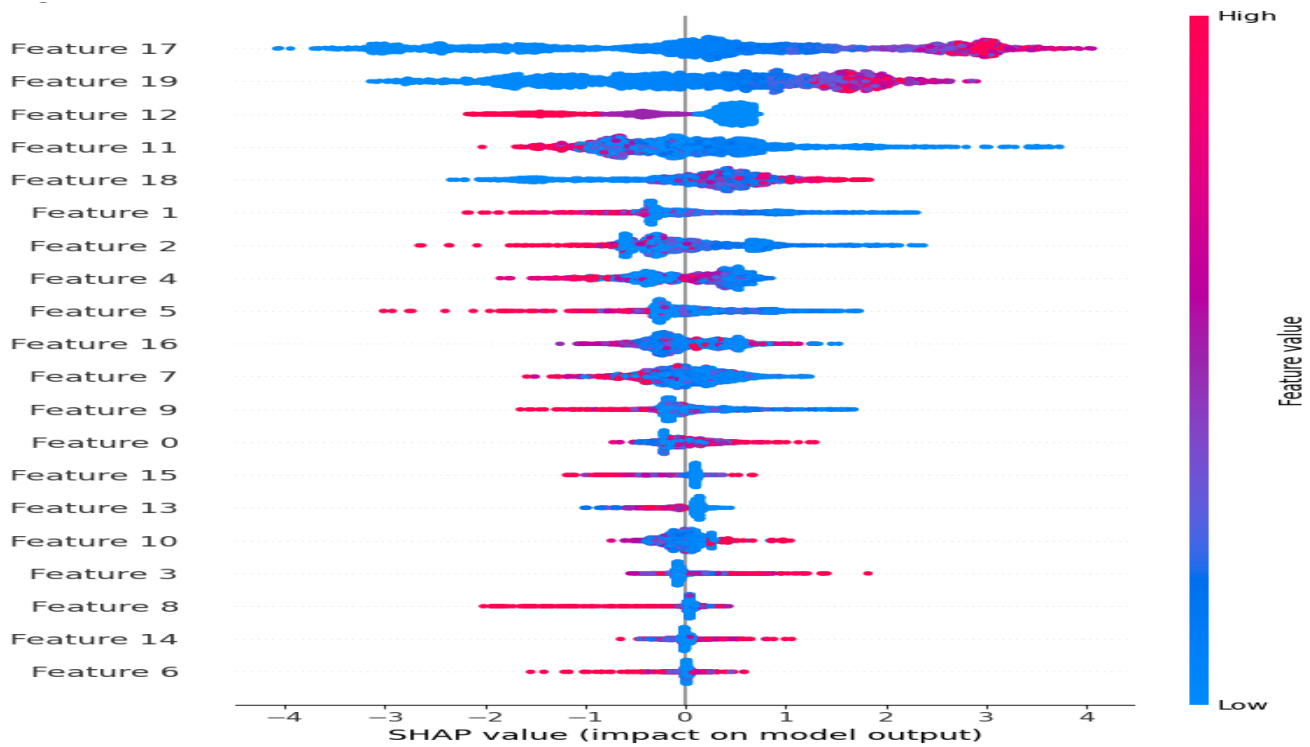
Classification Report:

	precision	recall	f1-score	support
0	0.87	0.83	0.85	1021
1	0.84	0.88	0.86	1049
accuracy	0.85 2070			
macro avg	0.85	0.85	0.85	2070
weighted avg	0.85	0.85	0.85	2070

ROC-AUC Score: 0.9278



■ Model Explainability: SHAP Analysis



Top 10 Most Influential Features:

MonthlyCharges_MonthlyCharges_to_Tenure: 1.5636
MonthlyCharges_to_Tenure: 1.1241
Contract: 0.6469
PaperlessBilling_MonthlyCharges_to_Tenure: 0.6440
MonthlyCharges_to_Tenure_TotalCharges_to_Tenure: 0.6142
OnlineBackup_MonthlyCharges_to_Tenure: 0.4709
DeviceProtection_MonthlyCharges_to_Tenure: 0.4508
tenure_InternetService: 0.4296
OnlineSecurity_MonthlyCharges_to_Tenure: 0.3639
PhoneService_MonthlyCharges_to_Tenure: 0.3108