

Revenue Rescue Analytics Report

Generated on: 2025-05-28 10:37:15

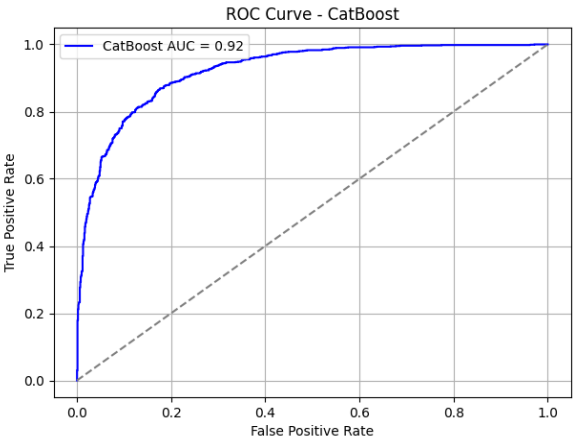
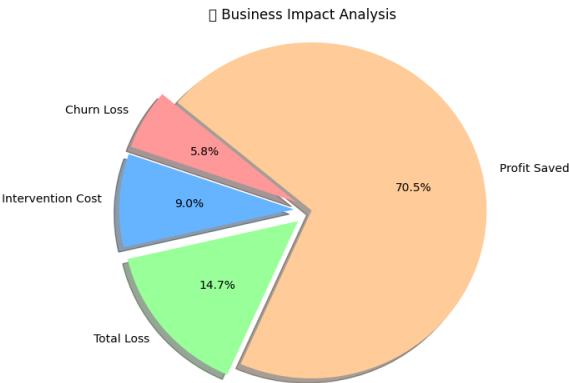
Business Impact Summary:

Churn Loss: \$140,000.00
Intervention Cost: \$217,800.00
Total Loss: \$357,800.00
Profit Saved: \$1,712,200.00

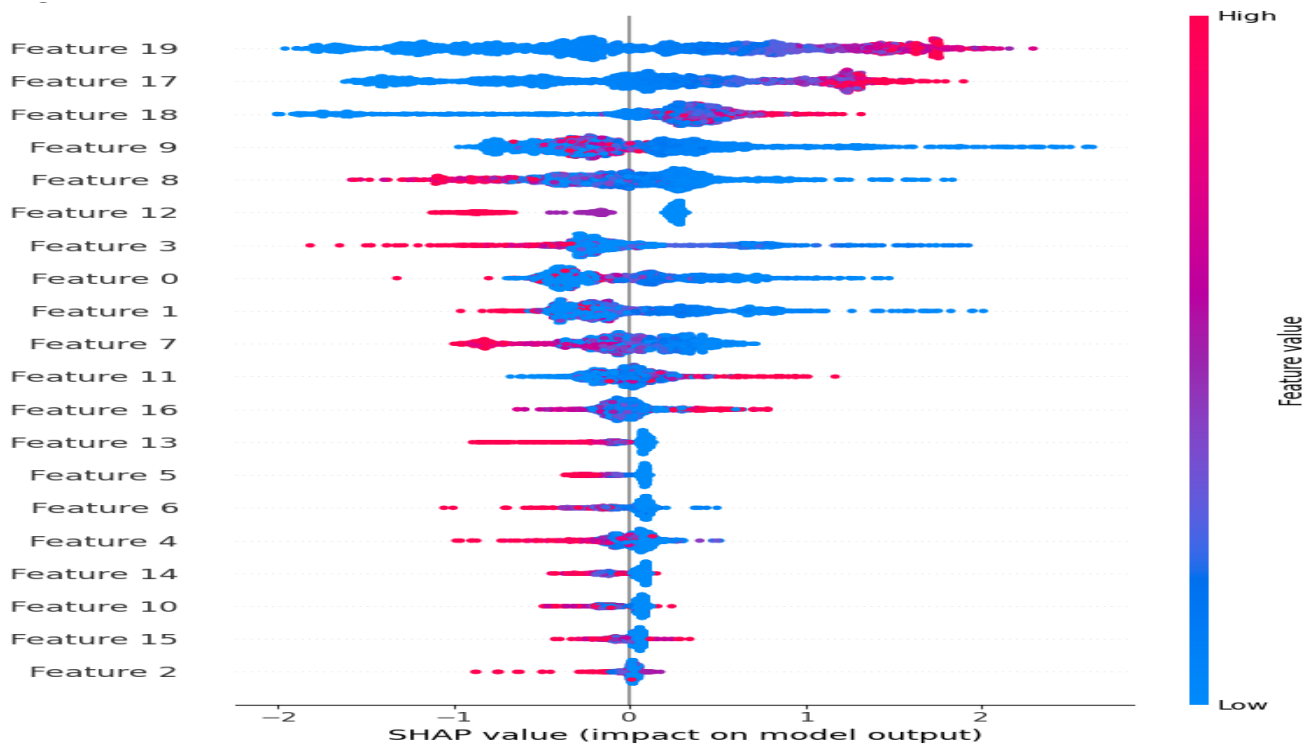
Classification Report:

	precision	recall	f1-score	support
0	0.86	0.82	0.84	1021
1	0.83	0.87	0.85	1049
accuracy	0.852070			
macro avg	0.85	0.85	0.85	2070
weighted avg	0.85	0.85	0.85	2070

ROC-AUC Score: 0.9233



■ Model Explainability: SHAP Analysis



Top 10 Most Influential Features:

MonthlyCharges_to_Tenure: 0.8431
MonthlyCharges_MonthlyCharges_to_Tenure: 0.6787
MonthlyCharges_to_Tenure_TotalCharges_to_Tenure: 0.5036
PaperlessBilling_MonthlyCharges_to_Tenure: 0.4575
PaymentMethod_MonthlyCharges_to_Tenure: 0.3809
Contract: 0.3549
TechSupport_MonthlyCharges_to_Tenure: 0.3523
StreamingTV_MonthlyCharges_to_Tenure: 0.3455
StreamingMovies_MonthlyCharges_to_Tenure: 0.3358
tenure_InternetService: 0.2638