Figure 4: Model Performance - 100-Fold Monte Carlo Cross-Validation

A ROC Curve (100-fold Average)

- Mean ROC (AUC = 0.776)
- Random Classifier (AUC = 0.5)

X-axis: False Positive Rate (1 - Specificity)
Y-axis: True Positive Rate (Sensitivity)

B AUC Distribution (100 Folds)

- Mean: 0.7759
- Median: 0.7781
- 95% CI
- Mean: 0.7759
- SD: 0.0070
- Range: 0.758-0.787

X-axis: AUC Score
Y-axis: Number of Folds

C AUC Stability Across Folds

- Mean: 0.7759
- ±1 SD

X-axis: Fold Number
Y-axis: AUC Score
Colorbar: AUC