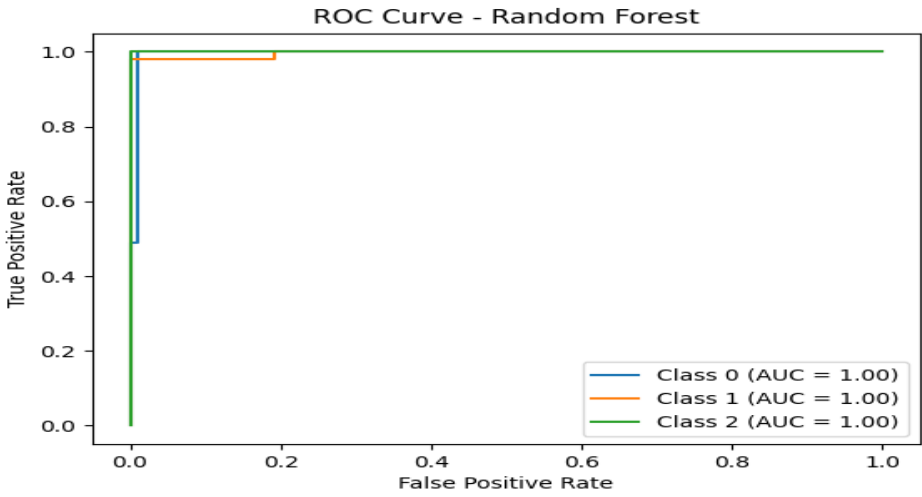


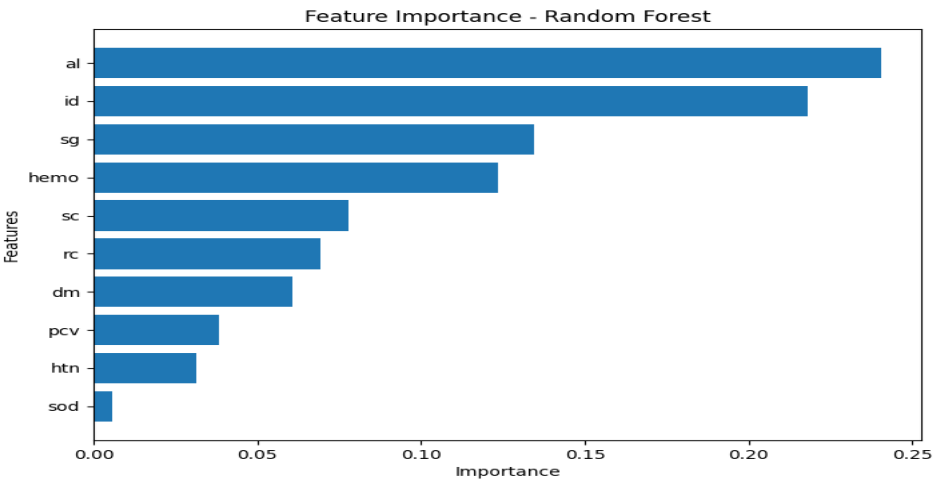
Random Forest Classification Report:

	precision	recall	f1-score	support
0	0.98	1.00	0.99	49
1	1.00	0.98	0.99	50
2	1.00	1.00	1.00	50
accuracy			0.99	149
macro avg	0.99	0.99	0.99	149
weighted avg	0.99	0.99	0.99	149

Random Forest ROC Curve:



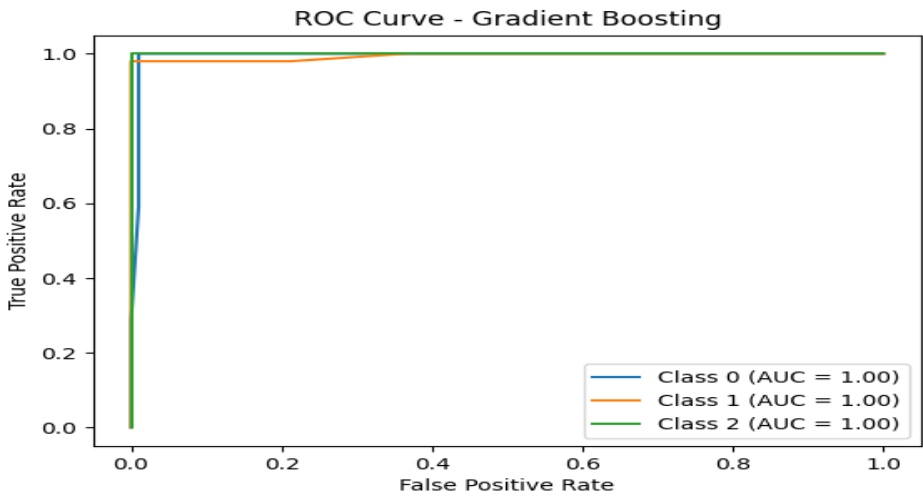
Random Forest Feature Importance:



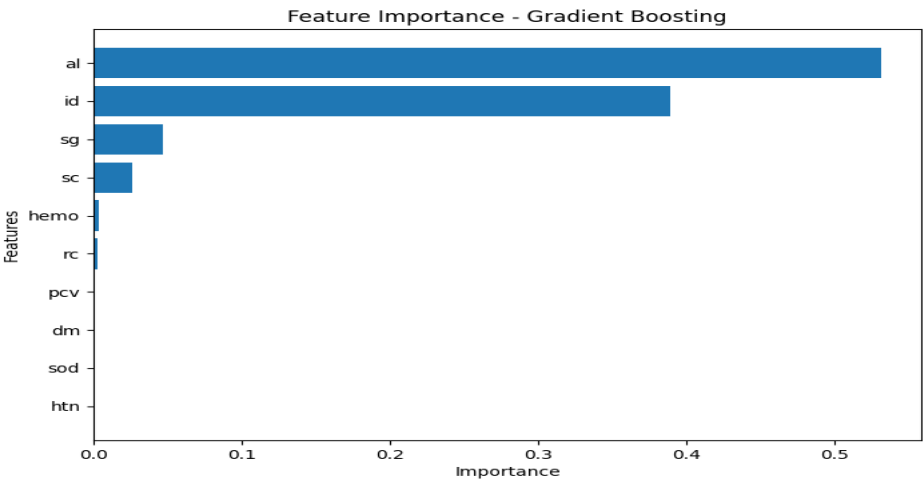
Gradient Boosting Classification Report:

	precision	recall	f1-score	support
0	0.96	1.00	0.98	49
1	1.00	0.98	0.99	50
2	1.00	0.98	0.99	50
accuracy			0.99	149
macro avg	0.99	0.99	0.99	149
weighted avg	0.99	0.99	0.99	149

Gradient Boosting ROC Curve:



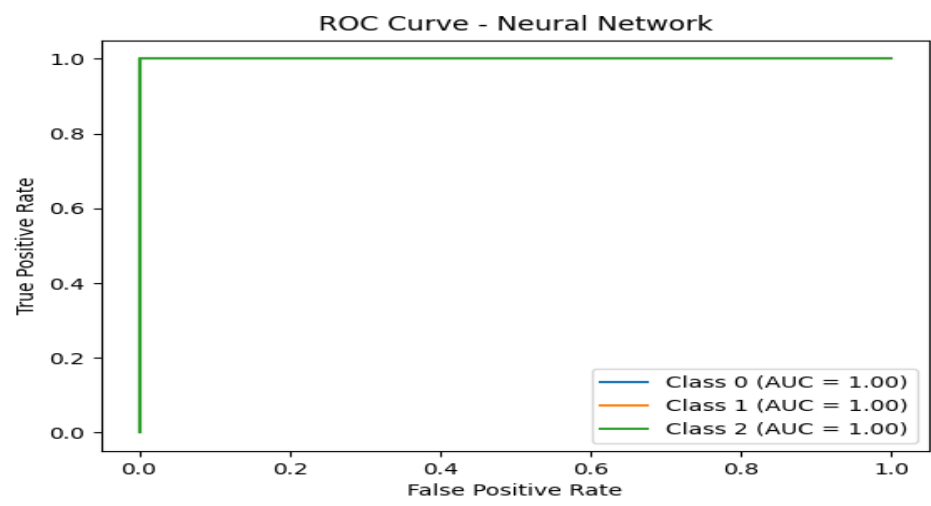
Gradient Boosting Feature Importance:



Neural Network Classification Report:

	precision	recall	f1-score	support
0	1.00	0.98	0.99	49
1	0.98	1.00	0.99	50
2	1.00	1.00	1.00	50
accuracy			0.99	149
macro avg	0.99	0.99	0.99	149
weighted avg	0.99	0.99	0.99	149

Neural Network ROC Curve:



Best Model: Neural Network

Best Model Parameters: {'activation': 'relu', 'alpha': 0.0001, 'batch_size': 'auto', 'beta_1': 0.9, 'beta_2': 0.999, 'early_s

Best Model AUC-ROC: 1.00