SVM:

-------------------------------------------------

Training Results for SVM Linear SVC Kernel Model:

Training Accuracy = 0.989

Training Sensitivity = 0.988

Training Precision = 0.988

Training F1 Score = 0.988

Training Recall = 0.988

--------------------------------------------------

Testing Results for SVM Linear SVC Kernel Model:

Testing Accuracy = 0.988

Testing Sensitivity = 0.988

Testing Precision = 0.987

Testing F1 Score = 0.988

Testing Recall = 0.988

--------------------------------------------------

A blue and white squares with white text

Description automatically generated

A graph of a positive result

Description automatically generated

A screenshot of a computer

Description automatically generated

A screen shot of a graph

Description automatically generated

KNN:

--------------------------------------------------

Training Results for KNN Model:

Training Accuracy = 0.999

Training Sensitivity = 0.998

Training Precision = 1.0

Training F1 Score = 0.999

Training Recall = 0.998

--------------------------------------------------

Testing Results for KNN Model:

Testing Accuracy = 0.998

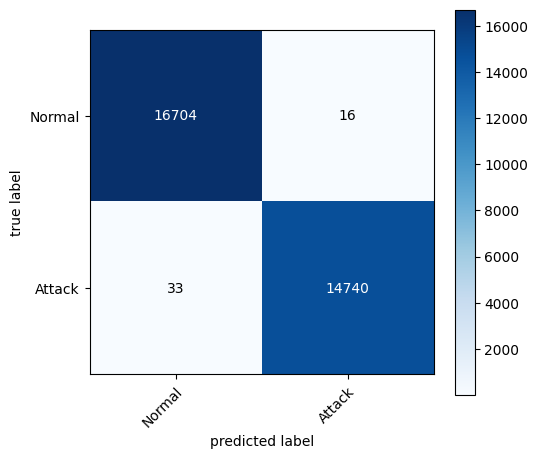
Testing Sensitivity = 0.998

Testing Precision = 0.999

Testing F1 Score = 0.998

Testing Recall = 0.998

--------------------------------------------------



A graph with a positive rate

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

Random Forest:

--------------------------------------------------

Training Results for Random Forest Classifier Model:

Training Accuracy = 0.999

Training Sensitivity = 0.998

Training Precision = 0.999

Training F1 Score = 0.999

Training Recall = 0.998

--------------------------------------------------

Testing Results for Random Forest Classifier Model:

Testing Accuracy = 0.998

Testing Sensitivity = 0.998

Testing Precision = 0.999

Testing F1 Score = 0.998

Testing Recall = 0.998

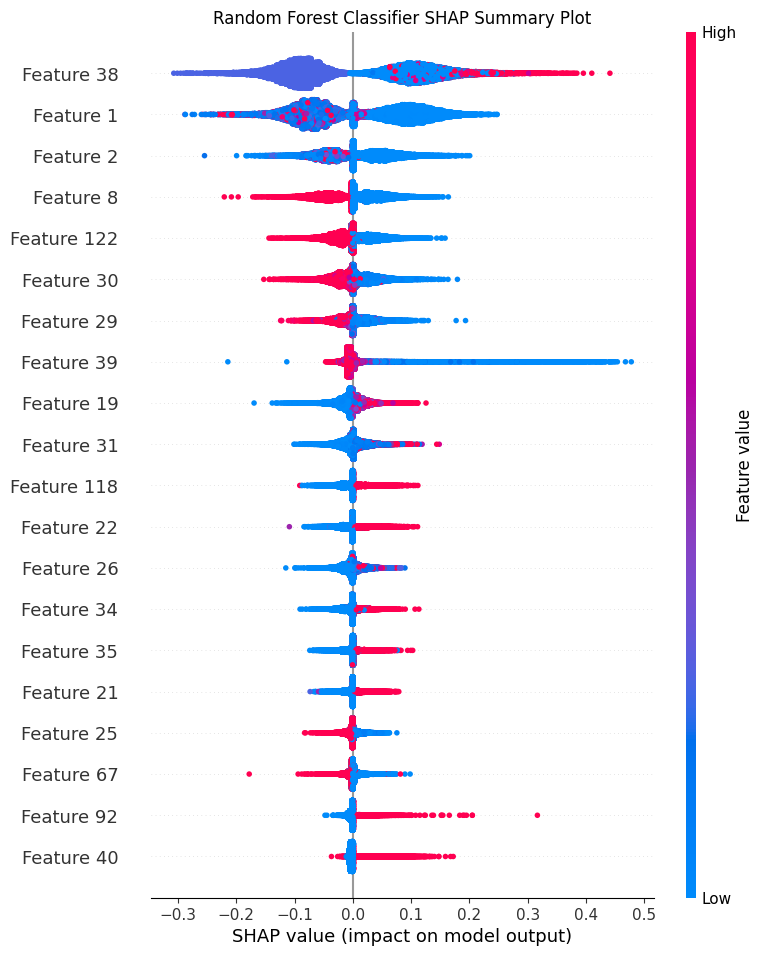
--------------------------------------------------

A blue squares with white text

Description automatically generated

A graph with a positive rate

Description automatically generated with medium confidence



A screenshot of a computer

Description automatically generated

Logistic Regression:

--------------------------------------------------

Training Results for Logistic Regression Model:

Training Accuracy = 0.99

Training Sensitivity = 0.992

Training Precision = 0.987

Training F1 Score = 0.99

Training Recall = 0.992

--------------------------------------------------

Testing Results for Logistic Regression Model:

Testing Accuracy = 0.99

Testing Sensitivity = 0.992

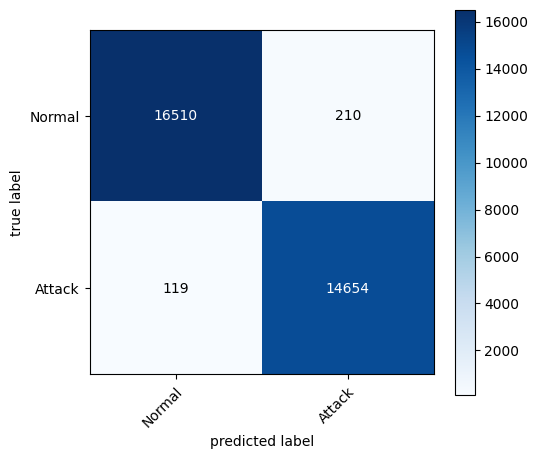
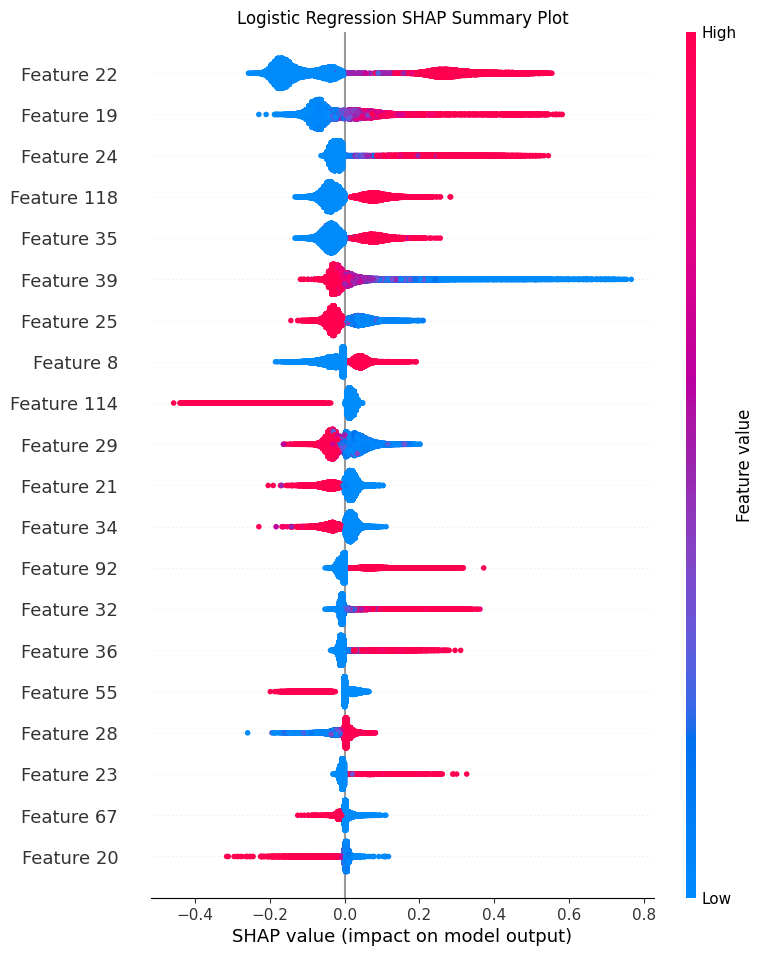
Testing Precision = 0.986

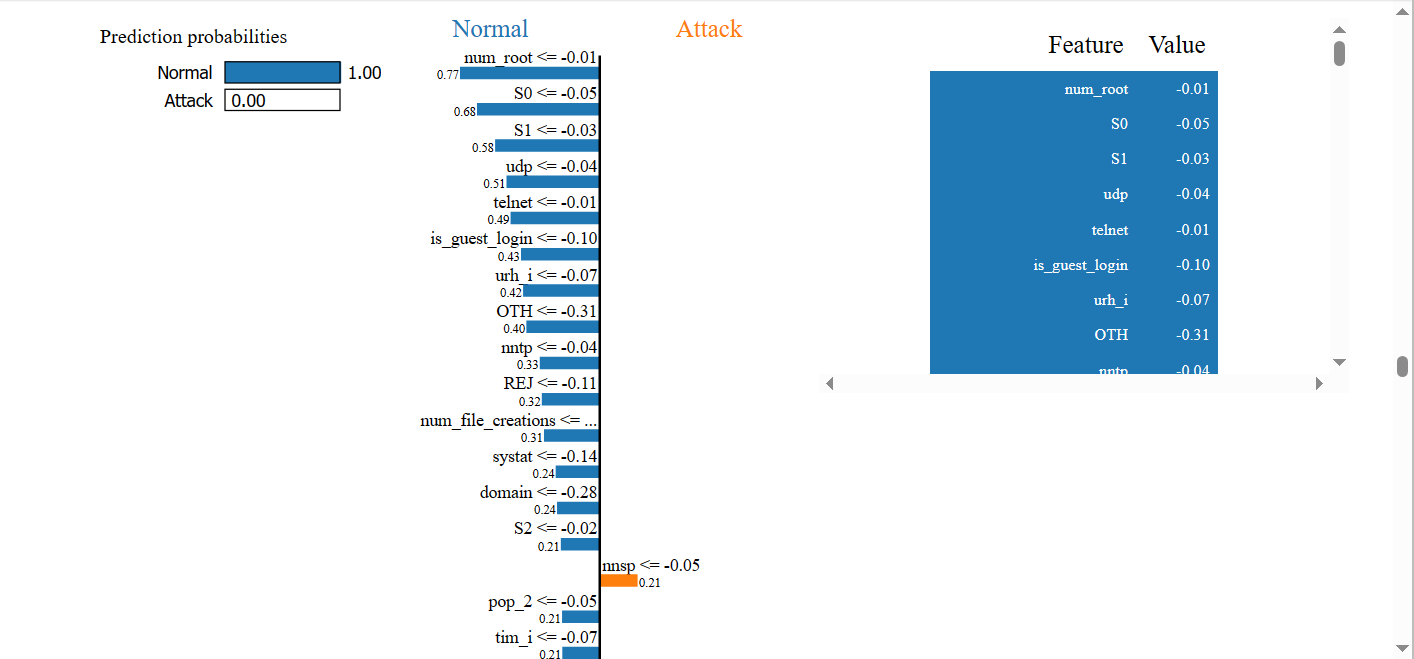
Testing F1 Score = 0.989

Testing Recall = 0.992

A graph of a logistic rate

Description automatically generated





Decision Tree:

--------------------------------------------------

Training Results for Decision Tree Classifier Model:

Training Accuracy = 0.923

Training Sensitivity = 0.914

Training Precision = 0.92

Training F1 Score = 0.917

Training Recall = 0.914

--------------------------------------------------

Testing Results for Decision Tree Classifier Model:

Testing Accuracy = 0.921

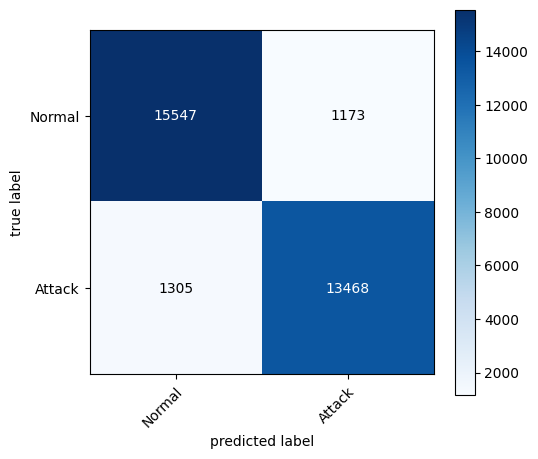
Testing Sensitivity = 0.912

Testing Precision = 0.92

Testing F1 Score = 0.916

Testing Recall = 0.912

--------------------------------------------------



A graph of a positive rate

Description automatically generated with medium confidence

A screen shot of a graph

Description automatically generated

