Loading XDD Training Data...

[[0 0 0 ... 0 0 0]

[0 0 0 ... 0 0 0]

[0 0 0 ... 0 0 0]

...

[0 0 0 ... 0 0 0]

[0 0 0 ... 0 0 0]

[0 0 0 ... 0 0 0]]

Preparing Classifier Training and Validation Data...

KNN Classifier with n\_neighbors = 5, algorithm = auto, n\_jobs = 10

Pickling the Classifier for Future Use...

Calculating Accuracy of trained Classifier...

Making Predictions on Validation Data...

Calculating Accuracy of Predictions...

Creating Confusion Matrix...

KNN Trained Classifier Confidence: 0.9705

Predicted Values: [8 8 3 ... 1 2 3]

Accuracy of Classifier on Validation Image Data: 0.9705

Confusion Matrix:

[[574 0 0 0 0 0 1 0 0 0]

[ 0 644 1 0 0 0 1 1 0 1]

[ 3 2 587 4 0 1 1 1 0 0]

[ 0 2 7 589 0 6 1 2 0 4]

[ 1 6 2 0 567 0 1 0 1 13]

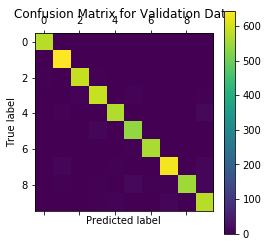
[ 0 0 0 9 0 540 2 0 1 2]

[ 2 1 0 0 1 3 562 0 0 0]

[ 0 9 1 0 4 1 0 633 0 9]

[ 2 5 2 5 1 13 5 3 553 8]

[ 0 2 0 4 7 1 1 9 1 574]]



Making Predictions on Test Input Images...

Calculating Accuracy of Trained Classifier on Test Data...

Creating Confusion Matrix for Test Data...

Predicted Labels for Test Images: [7 2 1 ... 4 5 6]

Accuracy of Classifier on Test Images: 0.9674

Confusion Matrix for Test Data:

[[ 974 1 1 0 0 1 2 1 0 0]

[ 0 1133 2 0 0 0 0 0 0 0]

[ 11 8 989 4 1 0 2 14 3 0]

[ 0 3 4 975 1 14 0 6 4 3]

[ 2 7 0 0 942 0 4 2 1 24]

[ 5 0 0 15 1 861 3 1 2 4]

[ 6 3 0 0 3 2 944 0 0 0]

[ 0 24 4 0 3 0 0 987 0 10]

[ 7 3 5 16 7 13 4 4 911 4]

[ 6 7 3 9 9 3 1 11 2 958]]

