Service Provider

Login,

Login,

Train and Test Data Sets,

View Trained and Tested Accuracy in Bar Chart,

View Trained and Tested Accuracy Results,

View Predicted Crime Type Details,

Find Crime Type Ratio on Data Sets,

Download Trained Data Sets,

View Crime Type Ratio Results,

View All Remote Users

**Architecture Diagram**

Accepting all user Information

**Admin**

View user data details

Authorize the Admin

Process all user queries

**Store and retrievals**

**WEB Database**

Registering the User

Remote User

Tweet Server

Tweet Server

Tweet Server

REGISTER AND LOGIN,

POST CRIME DATA SETS,

PREDICT CRIME TYPE,

VIEW YOUR PROFILE

**Algorithms Used(Trained and Tested With)**

**Naive Bayes, SVM, Logistic Regression,  
Decision Tree Classifier, Random Forest Classifier,  
SGD Classifier,KNeighborsClassifier**