**Architecture Diagram**

Service Provider

Login,

Train and Test Data Sets,

View Trained and Tested Accuracy in Bar Chart,

View Trained and Tested Accuracy Results,

Predict Product Recommendation From Data Set Details,

Find Product Recommendation Prediction Ratio on Data Sets,

Download Trained Data Sets,

View Product Recommendation Prediction Ratio Results,

View All Remote Users

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 PRODUCT DATA SETS,

PREDICT PRODUCT RECOMMENDATION,

VIEW YOUR PROFILE

**Algorithm Used**

**Naive Bayes, SVM, Logistic Regression,  
Decision Tree Classifier,,KNeighborsClassifier**