Back-order Pred-Pipeline :

(cassandraDB)

Training DB

Prediction DB

Prediction Good DB

Bad Data (Prediction / Training)

Training Data Validation → Data Transformation → **Data BaseInsertion operations** → **Data Export from database into CSV** → Data Preprocessing → Clustering(optional)

Testing ← CloudOps ← Model Selection ← **Model Bucket** ← Hp Tunning ← Model Training ← Stats Module

Dashboard (user uploading the pred batch files / or at S3 bucket) → **Prediction Data Validation** → **Data Transformation** → **Files Handling Module** → **Data BaseInsertion operations** → **Data Export from database into CSV**

Prediction

Save prediction at database

Merge pred (display at dashboard for Download)

Pred Stats Module (updatable)

Stats Monitoring Dashboard (train vs pred)