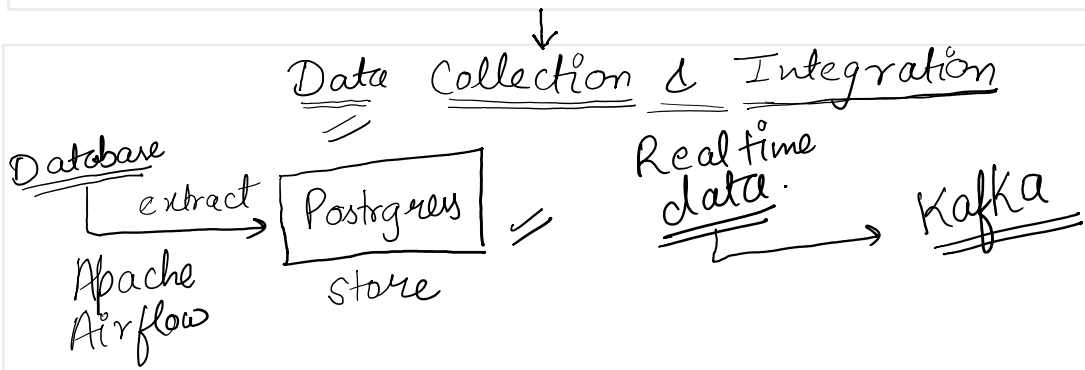


Identify Problem

Customer Churn Prediction
(Will customer leave in upcoming 6 months?)

Data Engineers



Data Exploration and Cleaning

EDA
Basic Cleaning

{ Pandas
Numpy
Matplotlib
Seaborn }

Jupyter Notebook
(Testing)

Feature Engineering

You will get (best data)

{ Scikit-learn
External libraries
like featuretools }

Model Selection & Training

Select best model
↓
Tuning
↓
final model

{ Scikit-learn
lgbm
xgboost
catboost }

Model Evaluation

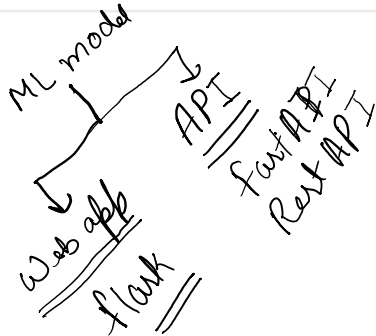
check model acc

sklearn

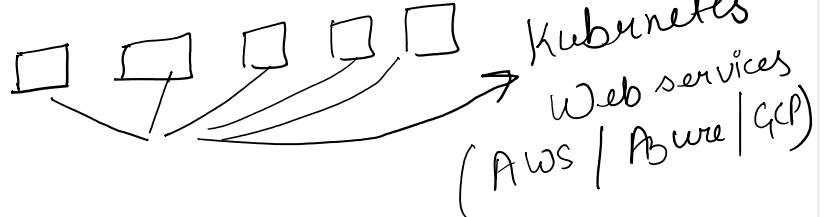
and ⇒ track during training

check model accuracy

sklearn
(Tensorboard) \Rightarrow train during train /



Model Deployment



Monitor your model over course of time

Model Monitoring

{ Provide dashboards }

{ Grafana
Prometheus }

Continuous Integration

Continuous Deployment

CI-CD deployment

Track all experiments
(MLflow / KubeFlow)

{ GitHub Actions
GitLab CI
Jenkins }