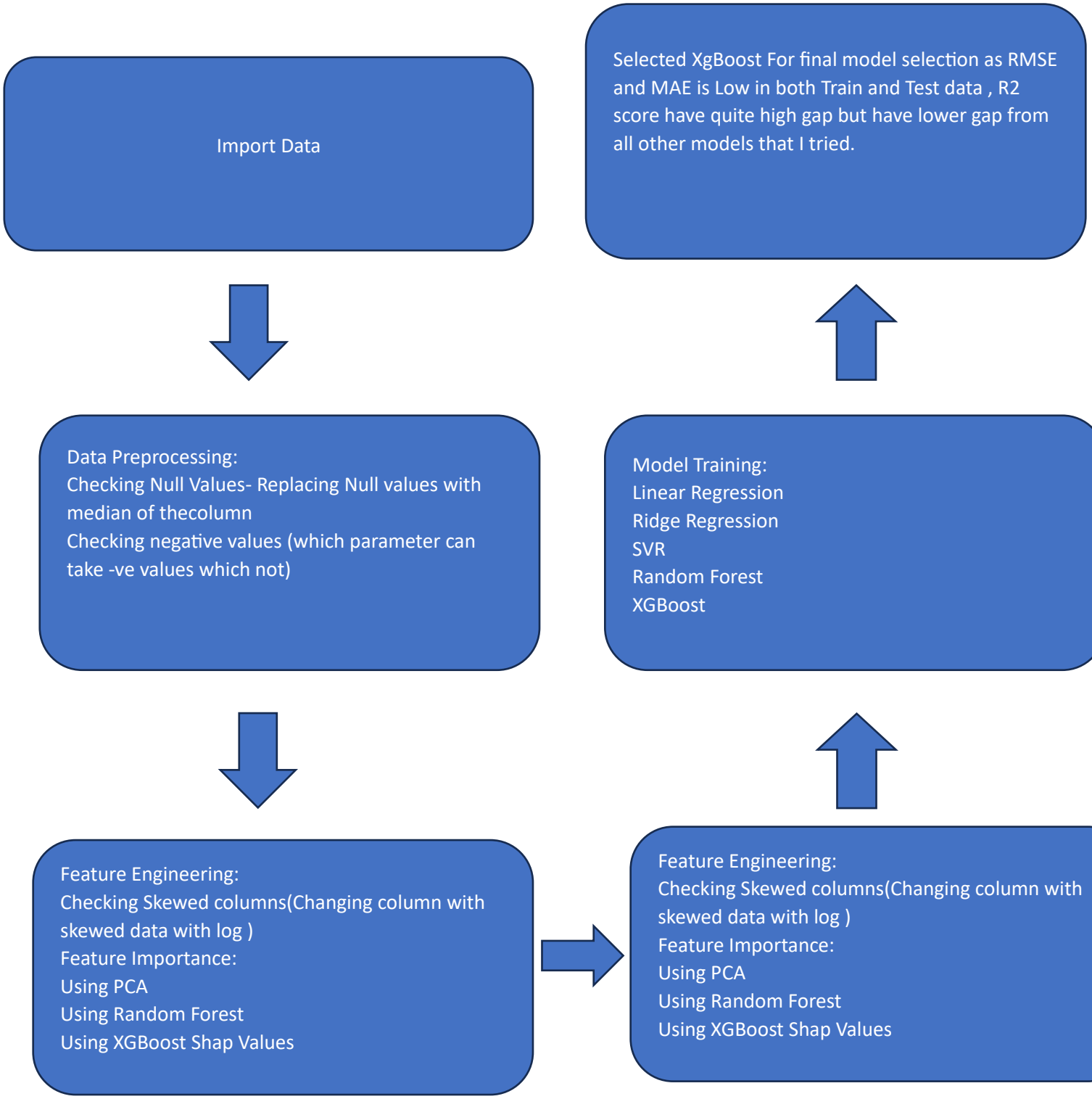
Import Data
Data Preprocessing:
Checking Null Values- Replacing Null values with median of thecolumn
Checking negative values (which parameter can take -ve values which not)
Feature Engineering:
Checking Skewed columns(Changing column with skewed data with log)
Feature Importance:
Using PCA
Using Random Forest
Using XGBoost Shap Values
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Checking Skewed columns(Changing column with skewed data with log)
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Model Training:
Linear Regression
Ridge Regression
SVR
Random Forest
XGBoost
Selected XgBoost For final model selection as RMSE and MAE is Low in both Train and Test data , R2 score have quite high gap but have lower gap from all other models that I tried.