Medical Inventory Management

Business & Data Understanding

Secondary Data Collection

Data Preprocessing
- Handling Missing Values
- Handling Duplicates
- Handling Class Imbalance
- Feature Selection
- Handling Noise Data

Model Selection
- Supervised Learning Classification Models (Naïve Bayes, KNN)
- Linear Regression, Logistic Regression, Support Vector Machine(SVM),
- Random Forest Graindient Bossting
- Forecasting models
- Ensemble Techniques

Model Training Hyper-parameter Tuning
- Train - Test -Split GridSearchCV RandomSearchCV
- Cross Validation

Model Evaluation
- Evaluation Metrics Performances Visualisation Cross Validation
- Model Comparison

Deployment
- Flask Streamlit app AWS Cloud

End User Device
- Point-of-Sale (POS) Systems
- End User Machine