**Steps fallowed during model building:**

1. Exploratory Data Analysis

\* Loading the dataset and libraries

\* Data cleaning

\* Missing value analysis

2. Attributes distributions and trends

\* Outliers analysis

3. Correlation matrix

4. Split the dataset into train and test dataset

5. Modelling the training dataset

\* Decision Tree Regressor Model

6. Cross Validation Prediction

\* Decision Tree Regressor CV Prediction

7. Model performance on test dataset

\* Decision Tree Regressor Prediction

8. Model Evaluation Metrics

\* R-squared score

**Flowchart:**

**Evaluate the final model on the test data**

**Tune the model's hyperparameters to improve its performance**

**Evaluate the model's performance on the test data**

**Train a Decision tree Regression model on training data**

**Divide the data into training and testing data**

**Visualize the relationship between different feature and target variable (median house price)**

**Exploratory data analysis (EDA)**

**Cleaning and preprocessing of data**

**Import Boston Housing dataset**