About this project

This challenge is focused on house price prediction in India, where the goal is to accurately predict the prices of properties using 12 influencing factors. Buyers consider various factors besides the size of the house, which makes predicting house prices a complex task. The dataset used for this competition has been collected from various property aggregators across India.

FROM IDEA TO EXECUTION

For this project, I have utilized the K-Nearest Neighbors (KNN) regression algorithm to predict house prices. KNN is a non-parametric algorithm that uses the distance between instances to predict the output value. In the context of this project, the KNN regressor analyzes the 12 influencing factors provided in the dataset to determine the nearest neighbors to a given property, and then predicts the price of the property based on the prices of its neighbors.

This project has been optimized for Intel Extension for Scikit Learn

Why Intel OneAPI ?

Intel oneAPI is a comprehensive software development toolkit designed to simplify the creation of high-performance, cross-architecture applications

Performance optimization
Unified programming model
Ease of use
Scalability

Demo

Thank You

SLIDE PRESENTATIONS DESIGN