
ML Deployment (LOCAL)

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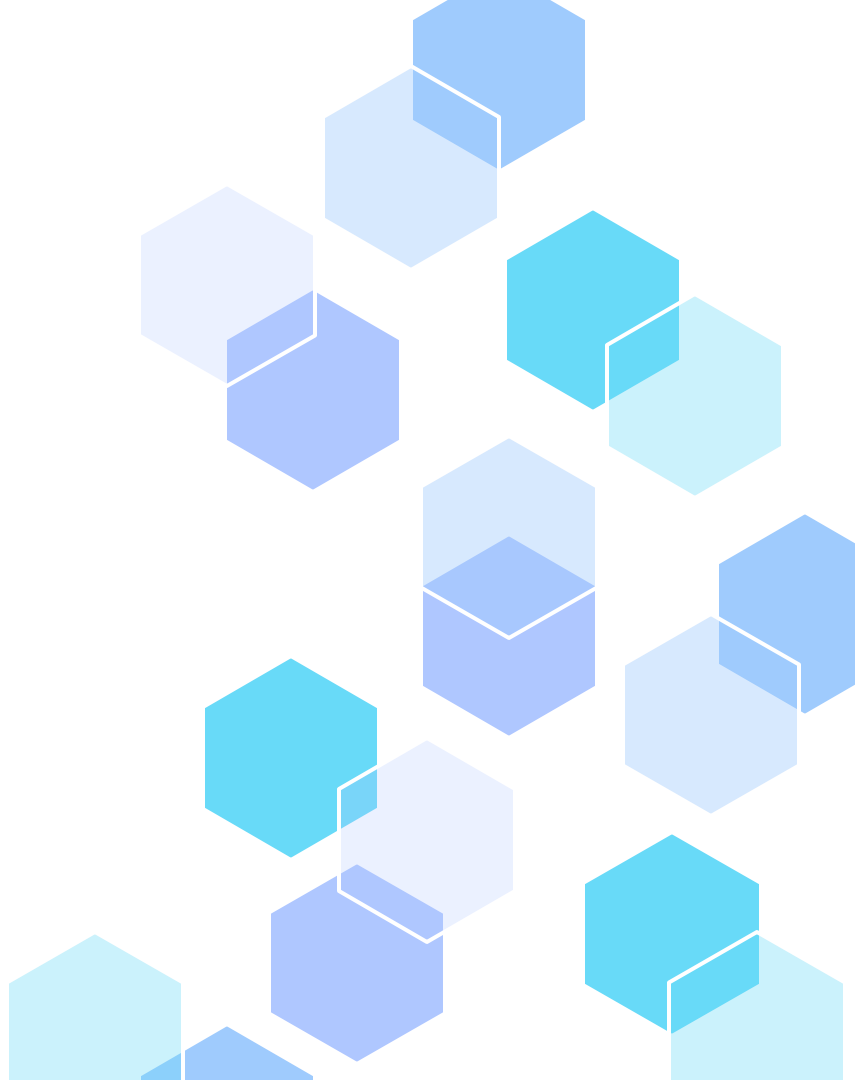
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01

Introduction

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Introduction

In machine learning, "modeling" refers to the process of creating a mathematical representation (called a "model") that can learn patterns from data and make predictions or classifications on new, unseen data by using algorithms to identify relationships within the dataset

Deploying a model refers to integration of trained model into a production environment where it can process real time data and provide output for practical applications and decision makings.

Steps



Background



About

Company XYZ is a real estate firm specializing in property sales and investment advisory services. With an increasing demand for data-driven insights, the company aims to improve its offerings by leveraging machine learning to predict house prices more accurately.



Predictors

Area (square feet): Larger homes typically cost more.

Bedrooms: More bedrooms add value but vary by location.

Bathrooms: Similar to bedrooms; more bathrooms generally increase value

Stories: Multi-story homes may affect price differently than single-story homes

Parking: Availability of parking can significantly impact property desirability and price.

Files Needed



app.py

This is the main Flask application file that serves as the backend for the house price prediction model.



Model.pkl

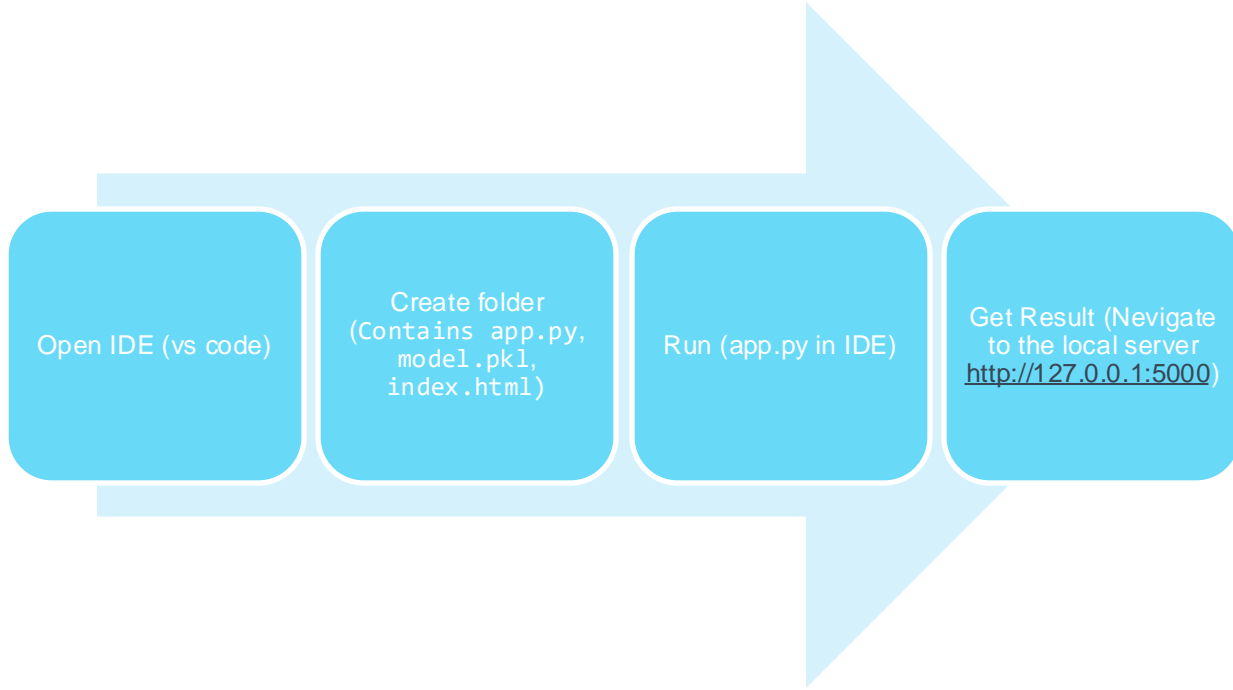
This file contains the pre-trained machine learning model serialized with Pickle.



index.html

This is the frontend HTML template for the web app, providing the user interface.

Deploying Model



Example Output

House Price Prediction

Area (in square feet)

Number of Bedrooms

Number of Bathrooms

Number of Stories

Parking Spaces

Predict Price

House price should be \$2527419.96

Thanks!

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