import streamlit as st

import pandas as pd

import numpy as np

import joblib

# Load pre-trained model and scaler

model = joblib.load("model.pkl") # Replace with your trained model

scaler = joblib.load("scaler.pkl") # Replace with your fitted scaler

# App configuration

st.set\_page\_config(page\_title="House Price Predictor", layout="centered")

# Title

st.title("House Price Prediction App")

st.markdown("Enter the details of the house below to get a price prediction.")

# Input form

with st.form("input\_form"):

area = st.number\_input("Total Area (in sq ft)", min\_value=300, max\_value=10000, value=1500)

bedrooms = st.selectbox("Number of Bedrooms", [1, 2, 3, 4, 5])

bathrooms = st.selectbox("Number of Bathrooms", [1, 2, 3, 4])

garage = st.selectbox("Garage Spaces", [0, 1, 2, 3])

year\_built = st.slider("Year Built", min\_value=1950, max\_value=2023, value=2010)

submit = st.form\_submit\_button("Predict Price")

# Prediction logic

if submit:

input\_data = np.array([[area, bedrooms, bathrooms, garage, year\_built]])

input\_scaled = scaler.transform(input\_data)

predicted\_price = model.predict(input\_scaled)[0]

st.success(f"Estimated House Price: ₹{predicted\_price:,.2f}")