jupyter LaptopPricePredictions.py Last Checkpoint: 3 minutes ago

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```python
import streamlit as st
import pandas as pd
from sklearn.model_selection import train_test_split, GridSearchCV
from sklearn.compose import ColumnTransformer
from sklearn.pipeline import Pipeline
from sklearn.preprocessing import OneHotEncoder, StandardScaler
from sklearn.linear_model import LinearRegression
from sklearn.ensemble import RandomForestRegressor, GradientBoostingRegressor
import joblib

# Load the dataset (Replace 'laptop_data.csv' with your actual file path)
df_laptops = pd.read_csv("C:\\Users\\visha\\Downloads\\laptop_data.csv")

# Drop the `Unnamed: 0` column
df_laptops.drop(columns=['Unnamed: 0'], inplace=True)

# Preprocess the data
df_laptops['Ram'] = df_laptops['Ram'].astype(str).str.replace('GB', '', regex=False)
df_laptops['Ram'] = pd.to_numeric(df_laptops['Ram'])
df_laptops['Weight'] = df_laptops['Weight'].astype(str).str.replace('kg', '', regex=False)
df_laptops['Weight'] = pd.to_numeric(df_laptops['Weight'])

# Separate target variable and features
X = df_laptops.drop('Price', axis=1)
y = df_laptops['Price']

# Split data into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2, random_state=42)

# Define categorical and numerical features
categorical_features = ['Company', 'TypeName', 'OpSys']
numerical_features = ['Inches', 'Ram', 'Weight']

```