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import streamlit as st
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.svm import SVC
from sklearn.preprocessing import StandardScaler, LabelEncoder
from sklearn.metrics import accuracy_score, confusion_matrix

st.set_page_config(layout="wide")
st.title("Support Vector Machine App")

file = st.file_uploader("Upload Dataset", type=["csv"])
kernel = st.selectbox("Kernel", ["linear", "rbf", "poly", "sigmoid"])
C = st.slider("C Value", 0.1, 10.0, 1.0)
gamma = st.selectbox("Gamma", ["scale", "auto"])

if file:
    df = pd.read_csv(file)
    st.write("Dataset", df)

    for col in df.select_dtypes(include="object").columns:
        df[col] = LabelEncoder().fit_transform(df[col])

    X = df.iloc[:, :-1]
    y = df.iloc[:, -1]

    X = StandardScaler().fit_transform(X)
    X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2)

    model = SVC(kernel=kernel, C=C, gamma=gamma)
    model.fit(X_train, y_train)

    preds = model.predict(X_test)
    st.write("Accuracy:", accuracy_score(y_test, preds))
    st.write("Confusion Matrix", confusion_matrix(y_test, preds))

```