```
import streamlit as st
import pandas as pd
import joblib

model = joblib.load("tuned_balanced_rf_ckd.pkl")

st.set_page_config(page_title="CKD Prediction", layout="centered")
st.title("Chronic Kidney Disease Prediction")
st.write("Fill in the patient's data to check for CKD risk.")

age = st.number_input("Age", min_value=0, max_value=120)
bmi = st.number_input("BMI")
serumcreatinine = st.number_input("Serum Creatinine")
gfr = st.number_input("GFR")
systolicbp = st.number_input("Systolic Blood Pressure")
diastolicbp = st.number_input("Diastolic Blood Pressure")
hba1c = st.number_input("HbA1c")
bunlevels = st.number_input("BUN Levels")
cholesterolldl = st.number_input("LDL Cholesterol")
acr = st.number_input("ACR")

if st.button("Predict"):
    input_data = pd.DataFrame([[age, bmi, serumcreatinine, gfr, systolicbp,
                                diastolicbp, hba1c, bunlevels, cholesterolldl, acr]],
                              columns=['age', 'bmi', 'serumcreatinine', 'gfr', 'systolicbp',
```

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                    'diastolicbp', 'hba1c', 'bunlevels', 'cholesterolldl', 'acr'])

prediction = model.predict(input_data)[0]


if prediction == 1:
    st.error("⚠     CKD Detected")
else:
    st.success(" No CKD Detected")
```