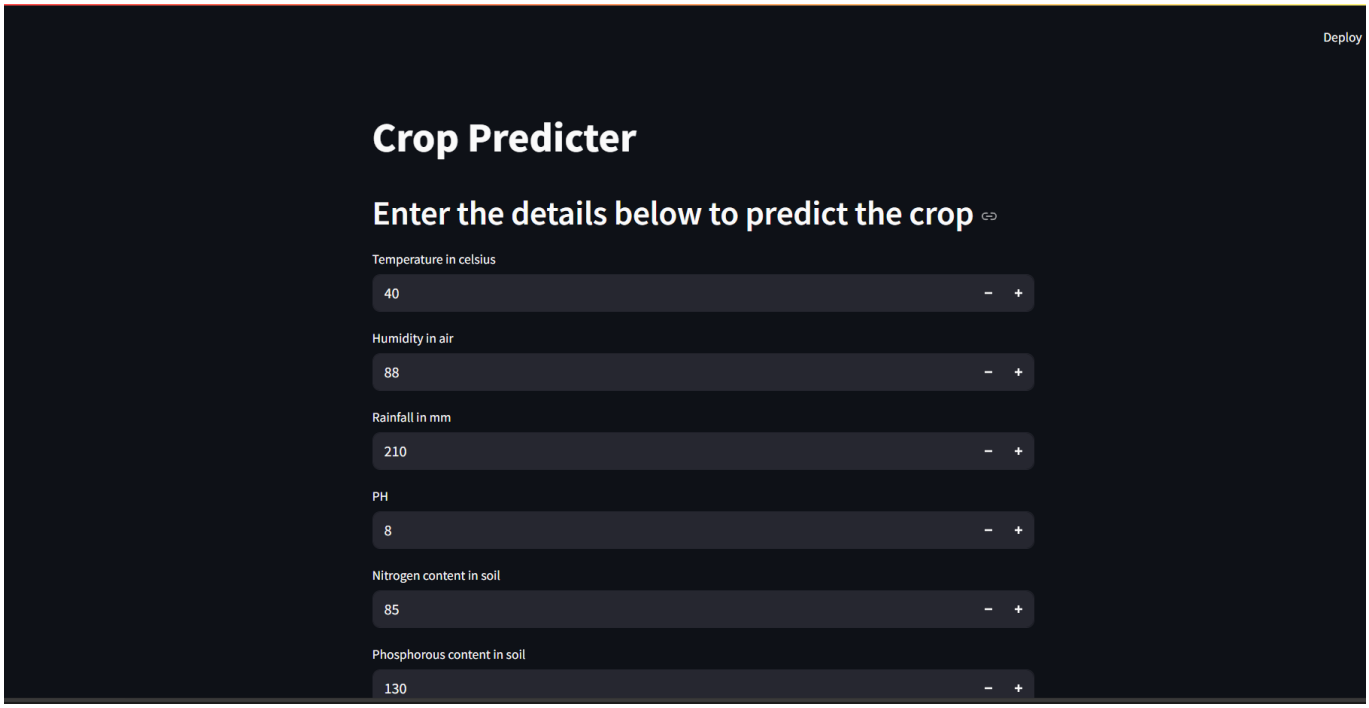
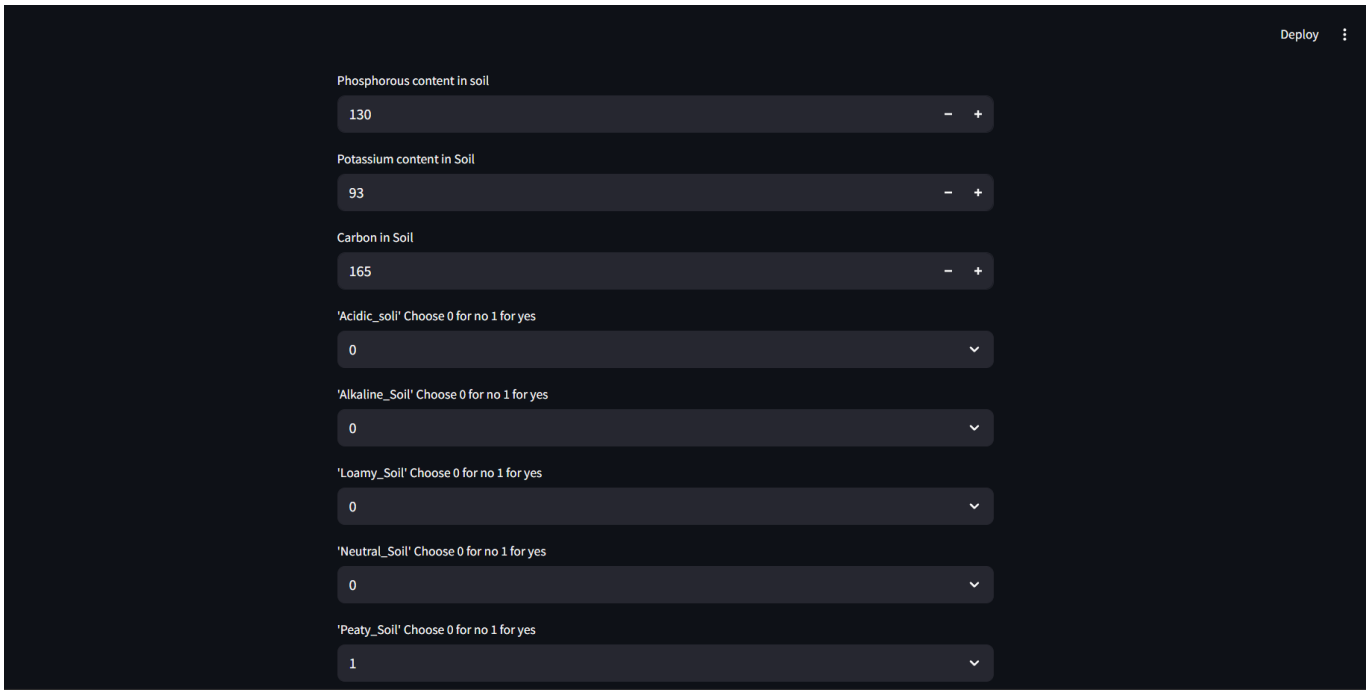
Crop Prediction Web App - Summary Report

This project is a Crop Prediction Web Application built using FastAPI (backend) and Streamlit (frontend). Users can input agricultural parameters such as temperature, humidity, rainfall, soil nutrients, and soil type to get a prediction of the best crop to grow.

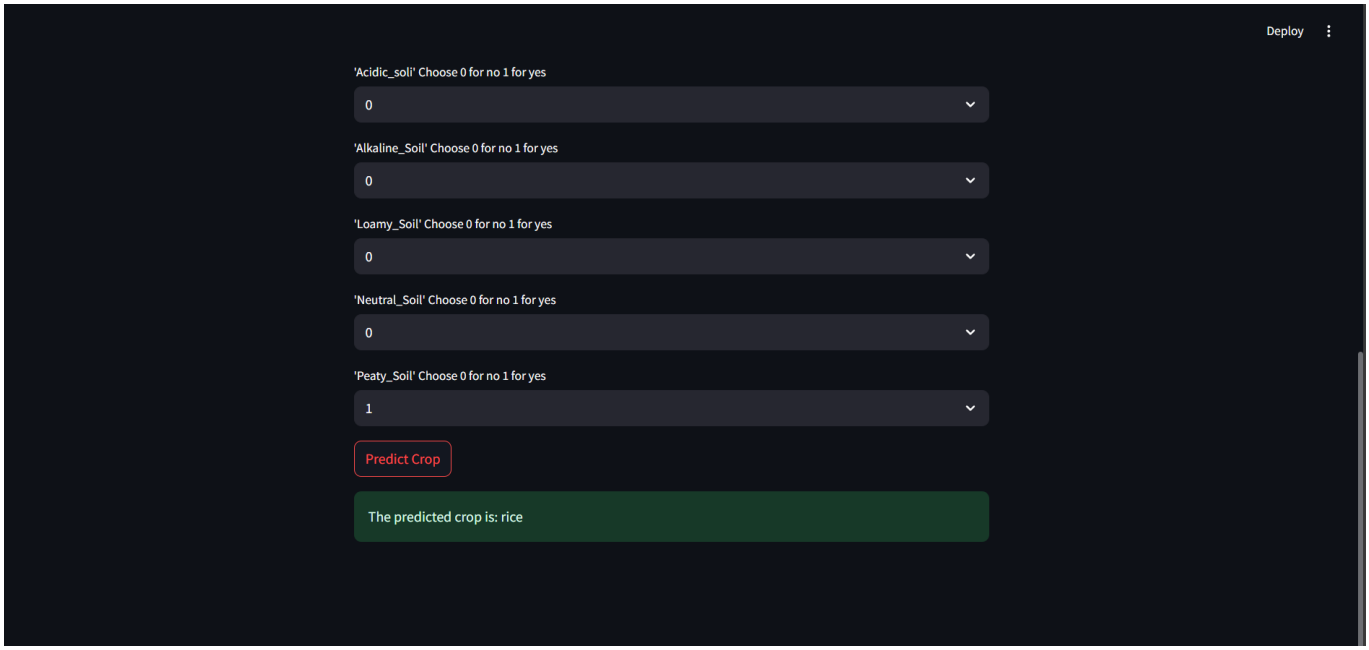
Screenshot 1



Screenshot 2



Screenshot 3


Deploy
'Acidic_soli' Choose 0 for no 1 for yes
0
'Alkaline_Soil' Choose 0 for no 1 for yes
0
'Loamy_Soil' Choose 0 for no 1 for yes
0
'Neutral_Soil' Choose 0 for no 1 for yes
0
'Peaty_Soil' Choose 0 for no 1 for yes
1
Predict Crop
The predicted crop is: rice

Project Summary

Backend:

- Built using FastAPI

- Accepts JSON input with agricultural features

- Returns predicted crop as output

Frontend:

- Built using Streamlit

- Clean and interactive user interface

- Uses 'requests' to call FastAPI backend and display results

Prediction Result:

- Based on the input values shown in the screenshots, the predicted crop was: rice