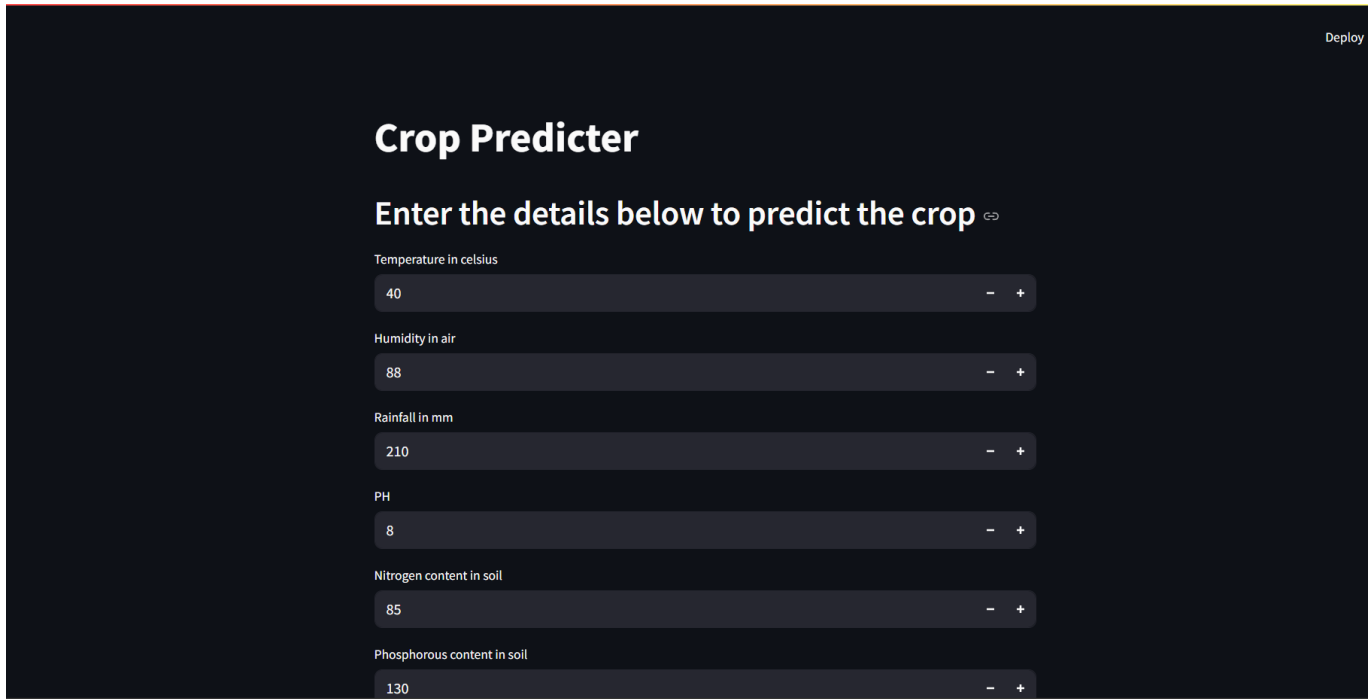


Crop Prediction Web App - Summary Report

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



Crop Predictor

Enter the details below to predict the crop [↗](#)

Temperature in celsius
40 - +

Humidity in air
88 - +

Rainfall in mm
210 - +

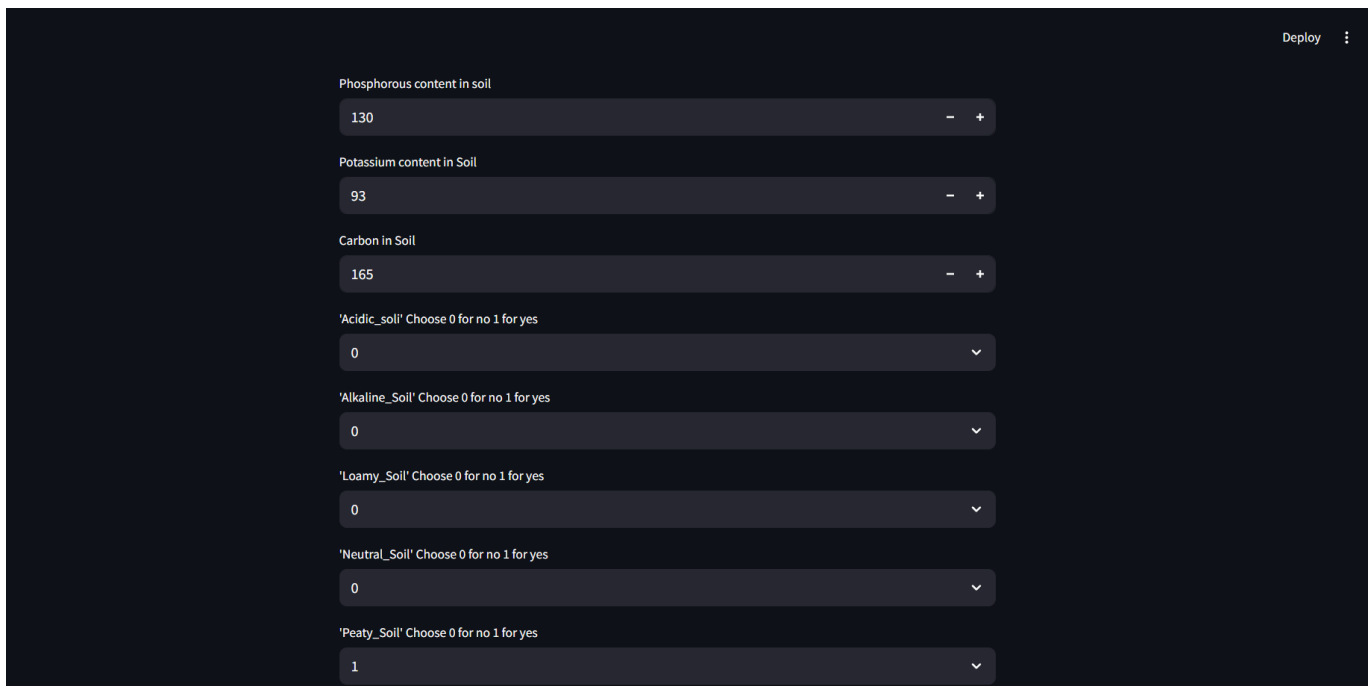
PH
8 - +

Nitrogen content in soil
85 - +

Phosphorous content in soil
130 - +

Deploy

Screenshot 2



Phosphorous content in soil
130 - +

Potassium content in Soil
93 - +

Carbon in Soil
165 - +

'Acidic_Soil' 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 ▾

Deploy ⋮

Screenshot 3

'Acidic_soil' 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