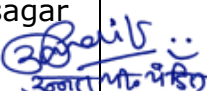


**Title of Work**  
**Crop-Price-Prediction**

**Language of Work – Python, HTML, CSS, JavaScript**

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# Crop-Price-Prediction

## app.py

```
from flask import Flask, render_template
from flask_cors import CORS, cross_origin
import numpy as np
import pandas as pd
from datetime import datetime
import crops
import random
```

```
import matplotlib.pyplot as plt
```

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```
app = Flask(__name__)
```

```
app.config['CORS_HEADERS'] = 'Content-Type'
```

```
cors = CORS(app, resources={r"/ticker": {"origins": "http://localhost:port"}})
```

```
commodity_dict = {
```

```
    "arhar": "static/Arhar.csv",
```

```
    "bajra": "static/Bajra.csv",
```

```
    "barley": "static/Barley.csv",
```

```
    "copra": "static/Copra.csv",
```

```
    "cotton": "static/Cotton.csv",
```

```
    "sesamum": "static/Sesamum.csv",
```

```
    "gram": "static/Gram.csv",
```

```
    "groundnut": "static/Groundnut.csv",
```

```
    "jowar": "static/Jowar.csv",
```

```
    "maize": "static/Maize.csv",
```

```
    ": "static/Masoor.csv",
```

```
    ': "static/Moong.csv",
```



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"niger": "static/Niger.csv",  
 "paddy": "static/Paddy.csv",  
 "ragi": "static/Ragi.csv",  
 "rape": "static/Rape.csv",  
 "jute": "static/Jute.csv",  
 "safflower": "static/Safflower.csv",  
 "soyabean": "static/Soyabean.csv",  
 "sugarcane": "static/Sugarcane.csv",  
 "sunflower": "static/Sunflower.csv",  
 "urad": "static/Urad.csv",  
 "wheat": "static/Wheat.csv",  
 "Potato": "static/Potato.csv",  
 "Onion": "static/Onion.csv"



}

annual\_rainfall = [30.1, 22.8, 39.4, 34.7, 56.2, 155.3, 305.0, 265.8, 190.5, 74.1, 42.2, 13.3]

base = {

"Paddy": 2300,  
 "Arhar": 7550,  
 "Bajra": 2625,  
 "Barley": 1735,  
 "Copra": 10860,  
 "Cotton": 6620,  
 "Sesamum": 8635,  
 "Gram": 5440,  
 "Groundnut": 6377,  
 "Jowar": 3180,  
 "Maize": 2090,

" : 6425,

' : 8558,



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```

"Niger": 7734,

"Ragi": 3846,

"Rape": 5650,

"Jute": 5050,

"Safflower": 5800,

"Soyabean": 4600,

"Sugarcane": 340,

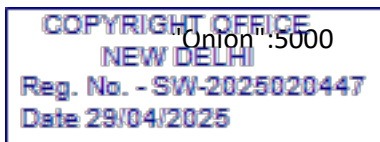
"Sunflower": 6760,

"Urad": 6950,

"Wheat": 2275,

"Potato":650,

```



```

}

commodity_list = []

```

```

class Commodity:

```

```

    def __init__(self, csv_name):

```

```

        self.name = csv_name

```

```

        dataset = pd.read_csv(csv_name)

```

```

        self.X = dataset.iloc[:, :-1].values

```

```

        self.Y = dataset.iloc[:, 3].values

```

```

        #from sklearn.model_selection import train_test_split

```

```

        #X_train, X_test, Y_train, Y_test = train_test_split(X, Y, test_size=0.1, random_state=0)

```

```

        # Fitting decision tree regression to dataset

```

```

        sklearn.tree import DecisionTreeRegressor

```

```

        = random.randrange(7,18)

```



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```

self.regressor = DecisionTreeRegressor(max_depth=depth)

self.regressor.fit(self.X, self.Y)

#y_pred_tree = self.regressor.predict(X_test)

# fsa=np.array([float(1),2019,45]).reshape(1,3)

# fask=regressor_tree.predict(fsa)

```

```

def getPredictedValue(self, value):

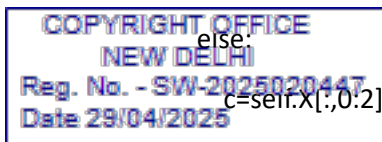
    if value[1]>=2019:

        fsa = np.array(value).reshape(1, 3)

        #print(" ",self.regressor.predict(fsa)[0])

        return self.regressor.predict(fsa)[0]

```



```

    else:
        c=self.x[:,0:2]
        x=[]
        for i in c:
            x.append(i.tolist())
        fsa = [value[0], value[1]]
        ind = 0
        for i in range(0,len(x)):
            if x[i]==fsa:
                ind=i
                break
        #print(index, " ",ind)
        #print(x[ind])
        #print(self.Y[i])
        return self.Y[i]

```

```

def getCropName(self):

    a = self.name.split('.')

```

a[0]



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```

@app.route('/')
def index():
    context = {
        "top5": TopFiveWinners(),
        "bottom5": TopFiveLosers(),
        "sixmonths": SixMonthsForecast()
    }
    return render_template('index.html', context=context)

```



```

@app.route('/commodity/<name>')
def crop_profile(name):
    max_crop, min_crop, forecast_crop_values = TwelveMonthsForecast(name)
    prev_crop_values = TwelveMonthPrevious(name)
    forecast_x = [i[0] for i in forecast_crop_values]
    forecast_y = [i[1] for i in forecast_crop_values]
    previous_x = [i[0] for i in prev_crop_values]
    previous_y = [i[1] for i in prev_crop_values]
    current_price = CurrentMonth(name)
    #print(max_crop)
    #print(min_crop)
    #print(forecast_crop_values)
    #print(prev_crop_values)
    #print(str(forecast_x))
    crop_data = crops.crop(name)
    context = {
        "name": name,
        "max_crop": max_crop,
        "min_crop": min_crop,
        "forecast_values": forecast_crop_values,

```



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```

"forecast_x": str(forecast_x),
"forecast_y": forecast_y,
"previous_values": prev_crop_values,
"previous_x": previous_x,
"previous_y": previous_y,
"current_price": current_price,
"image_url": crop_data[0],
"prime_loc": crop_data[1],
"type_c": crop_data[2],
"export": crop_data[3]
}

```



```

return render_template('commodity.html', context=context)

@app.route('/ticker/<item>/<number>')
@cross_origin(origin='localhost',headers=['Content- Type','Authorization'])
def ticker(item, number):
    n = int(number)
    i = int(item)
    data = SixMonthsForecast()
    context = str(data[n][i])

    if i == 2 or i == 5:
        context = '₹' + context
    elif i == 3 or i == 6:

        context = context + '%'

    #print('context: ', context)
    return context

```




  
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```

def TopFiveWinners():

    current_month = datetime.now().month

    current_year = datetime.now().year

    current_rainfall = annual_rainfall[current_month - 1]

    prev_month = current_month - 1

    prev_rainfall = annual_rainfall[prev_month - 1]

    current_month_prediction = []

    prev_month_prediction = []

    change = []

    for i in commodity_list:

        current_predict = i.getPredictedValue([float(current_month), current_year, current_rainfall])
        current_month_prediction.append(current_predict)

        prev_predict = i.getPredictedValue([float(prev_month), current_year, prev_rainfall])

        prev_month_prediction.append(prev_predict)

        change.append((((current_predict - prev_predict) * 100 / prev_predict),
commodity_list.index(i)))

    sorted_change = change

    sorted_change.sort(reverse=True)

    # print(sorted_change)

    to_send = []

    for j in range(0, 5):

        perc, i = sorted_change[j]

        name = commodity_list[i].getCropName().split('/')[1]

        to_send.append([name, round((current_month_prediction[i] * base[name]) / 100, 2),
round(perc, 2)])

    #print(to_send)

    return to_send

```



```

def Losers():

    month = datetime.now().month

```

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```

current_year = datetime.now().year

current_rainfall = annual_rainfall[current_month - 1]

prev_month = current_month - 1

prev_rainfall = annual_rainfall[prev_month - 1]

current_month_prediction = []

prev_month_prediction = []

change = []

for i in commodity_list:

    current_predict = i.getPredictedValue([float(current_month), current_year, current_rainfall])

    current_month_prediction.append(current_predict)

    prev_predict = i.getPredictedValue([float(prev_month), current_year, prev_rainfall])

    prev_month_prediction.append(prev_predict)

    change.append((((current_predict - prev_predict) * 100 / prev_predict),
commodity_list.index(i)))

sorted_change = change

sorted_change.sort()

to_send = []

for j in range(0, 5):

    perc, i = sorted_change[j]

    name = commodity_list[i].getCropName().split('/')[1]

    to_send.append([name, round((current_month_prediction[i] * base[name]) / 100, 2),
round(perc, 2)])

# print(to_send)

return to_send

```

```
def SixMonthsForecast():
```

```
    month1=[]
```

```
    :[]
```

```
    :[]
```



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```

month4=[]

month5=[]

month6=[]

for i in commodity_list:

    crop=SixMonthsForecastHelper(i.getCropName())

    k=0

    for j in crop:

        time = j[0]

        price = j[1]

        change = j[2]

        if k==0:

            month1.append((price,change,i.getCropName().split("/")[1],time))

            elif k==1:

                month2.append((price,change,i.getCropName().split("/")[1],time))

            elif k==2:

                month3.append((price,change,i.getCropName().split("/")[1],time))

            elif k==3:

                month4.append((price,change,i.getCropName().split("/")[1],time))

            elif k==4:

                month5.append((price,change,i.getCropName().split("/")[1],time))

            elif k==5:

                month6.append((price,change,i.getCropName().split("/")[1],time))

        k+=1

    month1.sort()

    month2.sort()

    month3.sort()

    month4.sort()

    month5.sort()

    month6.sort()

```



month\_wise=[]



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```
crop_month_wise.append([month1[0][3],month1[len(month1)-1][2],month1[len(month1)-1][0],month1[len(month1)-1][1],month1[0][2],month1[0][0],month1[0][1]])
```

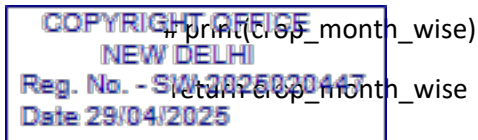
```
crop_month_wise.append([month2[0][3],month2[len(month2)-1][2],month2[len(month2)-1][0],month2[len(month2)-1][1],month2[0][2],month2[0][0],month2[0][1]])
```

```
crop_month_wise.append([month3[0][3],month3[len(month3)-1][2],month3[len(month3)-1][0],month3[len(month3)-1][1],month3[0][2],month3[0][0],month3[0][1]])
```

```
crop_month_wise.append([month4[0][3],month4[len(month4)-1][2],month4[len(month4)-1][0],month4[len(month4)-1][1],month4[0][2],month4[0][0],month4[0][1]])
```

```
crop_month_wise.append([month5[0][3],month5[len(month5)-1][2],month5[len(month5)-1][0],month5[len(month5)-1][1],month5[0][2],month5[0][0],month5[0][1]])
```

```
crop_month_wise.append([month6[0][3],month6[len(month6)-1][2],month6[len(month6)-1][0],month6[len(month6)-1][1],month6[0][2],month6[0][0],month6[0][1]])
```



```
print(crop_month_wise)
return crop_month_wise
```

```
def SixMonthsForecastHelper(name):
```

```
    current_month = datetime.now().month
```

```
    current_year = datetime.now().year
```

```
    current_rainfall = annual_rainfall[current_month - 1]
```

```
    name = name.split("/")[1]
```

```
    name = name.lower()
```

```
    commodity = commodity_list[0]
```

```
    for i in commodity_list:
```

```
        if name == str(i):
```

```
            commodity = i
```

```
            break
```

```
    month_with_year = []
```

```
    for i in range(1, 7):
```

```
        if current_month + i <= 12:
```

```
            month_with_year.append((current_month + i, current_year, annual_rainfall[current_month + i
```

```
    _ 111)
```



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```

        month_with_year.append((current_month + i - 12, current_year + 1,
annual_rainfall[current_month + i - 13]))

    wpi = []

    current_wpi = commodity.getPredictedValue([float(current_month), current_year,
current_rainfall])

    change = []

    for m, y, r in month_with_year:

        current_predict = commodity.getPredictedValue([float(m), y, r])

        wpi.append(current_predict)

        change.append(((current_predict - current_wpi) * 100) / current_wpi)

    crop_price = []

    for i in range(0, len(wpi)):

        m, y, r = month_with_year[i]

        x = datetime(y, m, 1)

        x = x.strftime("%b %y")

        crop_price.append([x, round((wpi[i]* base[name.capitalize()]) / 100, 2) , round(change[i], 2)])

# print("Crop_Price: ", crop_price)

return crop_price

```

```

def CurrentMonth(name):

    current_month = datetime.now().month

    current_year = datetime.now().year

    current_rainfall = annual_rainfall[current_month - 1]

    name = name.lower()

    commodity = commodity_list[0]

    for i in commodity_list:

        if name == str(i):

```

modity = i

ik

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```
current_wpi = commodity.getPredictedValue([float(current_month), current_year,
current_rainfall])
```

```
current_price = (base[name.capitalize()]*current_wpi)/100
```

```
return current_price
```

```
def TwelveMonthsForecast(name):
```

```
    current_month = datetime.now().month
```

```
    current_year = datetime.now().year
```

```
    current_rainfall = annual_rainfall[current_month - 1]
```

```
    name = name.lower()
```

```
    commodity = commodity_list[0]
```

```
    for i in commodity_list:
```

```
        if name == str(i):
```

```
            commodity = i
```

```
        break
```

```
    month_with_year = []
```

```
    for i in range(1, 13):
```

```
        if current_month + i <= 12:
```

```
            month_with_year.append((current_month + i, current_year, annual_rainfall[current_month + i
- 1]))
```

```
        else:
```

```
            month_with_year.append((current_month + i - 12, current_year + 1,
annual_rainfall[current_month + i - 13]))
```

```
    max_index = 0
```

```
    min_index = 0
```

```
    max_value = 0
```

```
    min_value = 9999
```

```
    wpi = []
```

```
    current_wpi = commodity.getPredictedValue([float(current_month), current_year,
current_rainfall])
```

```
    change = []
```



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```

for m, y, r in month_with_year:

    current_predict = commodity.getPredictedValue([float(m), y, r])

    if current_predict > max_value:

        max_value = current_predict

        max_index = month_with_year.index((m, y, r))

    if current_predict < min_value:

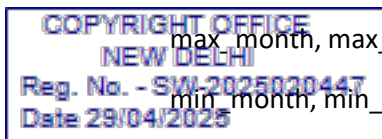
        min_value = current_predict

        min_index = month_with_year.index((m, y, r))

    wpi.append(current_predict)

    change.append(((current_predict - current_wpi) * 100) / current_wpi)

```



```

max_month, max_year, r1 = month_with_year[max_index]
min_month, min_year, r2 = month_with_year[min_index]

min_value = min_value * base[name.capitalize()] / 100

max_value = max_value * base[name.capitalize()] / 100

crop_price = []

for i in range(0, len(wpi)):

    m, y, r = month_with_year[i]

    x = datetime(y, m, 1)

    x = x.strftime("%b %y")

    crop_price.append([x, round((wpi[i] * base[name.capitalize()] / 100, 2), round(change[i], 2))]

# print("forecasr", wpi)

x = datetime(max_year, max_month, 1)

x = x.strftime("%b %y")

max_crop = [x, round(max_value, 2)]

x = datetime(min_year, min_month, 1)

x = x.strftime("%b %y")

min_crop = [x, round(min_value, 2)]

```

ax\_crop, min\_crop, crop\_price



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```

def TwelveMonthPrevious(name):
    name = name.lower()

    current_month = datetime.now().month
    current_year = datetime.now().year
    current_rainfall = annual_rainfall[current_month - 1]
    commodity = commodity_list[0]

    wpis = []
    crop_price = []

    for i in commodity_list:
        if name == str(i):
            commodity = i
            break
        month_with_year = []
        for i in range(1, 13):
            if current_month - i >= 1:
                month_with_year.append((current_month - i, current_year, annual_rainfall[current_month - i - 1]))
            else:
                month_with_year.append((current_month - i + 12, current_year - 1, annual_rainfall[current_month - i + 11]))

        for m, y, r in month_with_year:
            current_predict = commodity.getPredictedValue([float(m), 2013, r])
            wpis.append(current_predict)

    for i in range(0, len(wpis)):
        m, y, r = month_with_year[i]
        x = datetime(y, m, 1)
        x = x.strftime("%b %y")

```



```

        crop_price.append([x, round((wpis[i] * base[name.capitalize()]) / 100, 2)])

```

```

    previous "wpis"

```

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```

new_crop_price=[]

for i in range(len(crop_price)-1,-1,-1):

    new_crop_price.append(crop_price[i])

return new_crop_price

```

```

if __name__ == "__main__":

    arhar = Commodity(commodity_dict["arhar"])

    commodity_list.append(arhar)

    bajra = Commodity(commodity_dict["bajra"])

    commodity_list.append(bajra)

    barley = Commodity(commodity_dict["barley"])

    commodity_list.append(barley)

    copra = Commodity(commodity_dict["copra"])

    commodity_list.append(copra)

    cotton = Commodity(commodity_dict["cotton"])

    commodity_list.append(cotton)

    sesamum = Commodity(commodity_dict["sesamum"])

    commodity_list.append(sesamum)

    gram = Commodity(commodity_dict["gram"])

    commodity_list.append(gram)

    groundnut = Commodity(commodity_dict["groundnut"])

    commodity_list.append(groundnut)

    jowar = Commodity(commodity_dict["jowar"])

    commodity_list.append(jowar)

    maize = Commodity(commodity_dict["maize"])

    commodity_list.append(maize)

    masoor = Commodity(commodity_dict["masoor"])

    commodity_list.append(masoor)

```

```

Commodity(commodity_dict["moong"])

```

```

ity_list.append(moong)

```

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अनिल





```

niger = Commodity(commodity_dict["niger"])
commodity_list.append(niger)

paddy = Commodity(commodity_dict["paddy"])
commodity_list.append(paddy)

ragi = Commodity(commodity_dict["ragi"])
commodity_list.append(ragi)

rape = Commodity(commodity_dict["rape"])
commodity_list.append(rape)

jute = Commodity(commodity_dict["jute"])
commodity_list.append(jute)

safflower = Commodity(commodity_dict["safflower"])
commodity_list.append(safflower)

soyabean = Commodity(commodity_dict["soyabean"])
commodity_list.append(soyabean)

sugarcane = Commodity(commodity_dict["sugarcane"])
commodity_list.append(sugarcane)

sunflower = Commodity(commodity_dict["sunflower"])
commodity_list.append(sunflower)

urad = Commodity(commodity_dict["urad"])
commodity_list.append(urad)

wheat = Commodity(commodity_dict["wheat"])
commodity_list.append(wheat)

Potato = Commodity(commodity_dict["Potato"])
commodity_list.append(Potato)

Onion = Commodity(commodity_dict["Onion"])
commodity_list.append(Onion)

app.run(debug=False,host='0.0.0.0')

```



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## crops.py

def crop(crop\_name):

crop\_data = {

"wheat":["/static/images/wheat.jpg", "U.P., Punjab, Haryana, Rajasthan, M.P., bihar", "rabi", "Sri Lanka, United Arab Emirates, Taiwan"],

"paddy":["/static/images/paddy.jpg", "W.B., U.P., Andhra Pradesh, Punjab, T.N.", "kharif", "Bangladesh, Saudi Arabia, Iran"],

"barley":["/static/images/barley.jpg", "Rajasthan, Uttar Pradesh, Madhya Pradesh, Haryana, Punjab", "rabi", "Oman, UK, Qatar, USA"],

"maize":["/static/images/maize.jpg", "Karnataka, Andhra Pradesh, Tamil Nadu, Rajasthan, Maharashtra", "kharif", "Hong Kong, United Arab Emirates, France"],

"bajra":["/static/images/bajra.jpg", "Rajasthan, Maharashtra, Haryana, Uttar Pradesh and Gujarat", "kharif", "Oman, Saudi Arabia, Israel, Japan"],

"copra":["/static/images/copra.jpg", "Kerala, Tamil Nadu, Karnataka, Andhra Pradesh, Orissa, West Bengal", "rabi", "Veitnam, Bangladesh, Iran, Malaysia"],

"cotton":["/static/images/cotton.jpg", "Punjab, Haryana, Maharashtra, Tamil Nadu, Madhya Pradesh, Gujarat", "kharif", "China, Bangladesh, Egypt"],

"masoor":["/static/images/masoor.jpg", "Uttar Pradesh, Madhya Pradesh, Bihar, West Bengal, Rajasthan", "rabi", "Pakistan, Cyprus, United Arab Emirates"],

"gram":["/static/images/gram.jpg", "Madhya Pradesh, Maharashtra, Rajasthan, Uttar Pradesh, Andhra Pradesh & Karnataka", "rabi", "Veitnam, Spain, Myanmar"],

"groundnut":["/static/images/groundnut.jpg", "Andhra Pradesh, Gujarat, Tamil Nadu, Karnataka, and Maharashtra", "kharif", "Indonesia, Jordan, Iraq"],

"arhar":["/static/images/arhar.jpg", "Maharashtra, Karnataka, Madhya Pradesh and Andhra Pradesh", "kharif", "United Arab Emirates, USA, Chicago"],

"sesamum":["/static/images/sesamum.jpg", "Maharashtra, Rajasthan, West Bengal, Andhra Pradesh, Gujarat", "rabi", "Iraq, South Africa, USA, Netherlands"],

"jowar":["/static/images/jowar.jpg", "Maharashtra, Karnataka, Andhra Pradesh, Madhya Pradesh, Gujarat", "kharif", "Torronto, Sydney, New York"],

"moong":["/static/images/moong.jpeg", "Rajasthan, Maharashtra, Andhra Pradesh", "rabi", "Qatar, United States, Canada"],

"niger":["/static/images/niger.jpg", "Andha Pradesh, Assam, Chattisgarh, Gujarat, Jharkhand", "United States of American, Argenyina, Belgium"],



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```

"rape":["/static/images/rape.jpg", "Rajasthan, Uttar Pradesh, Haryana, Madhya Pradesh, and
Gujarat", "rabi", "Veitnam, Malaysia, Taiwan"],

"jute":["/static/images/jute.jpg", " West Bengal , Assam , Orissa , Bihar , Uttar Pradesh", "kharif",
"Jordan, United Arab Emirates, Taiwan"],

"safflower":["/static/images/safflower.jpg", "Maharashtra, Karnataka, Andhra Pradesh, Madhya
Pradesh, Orissa", "kharif", " Philippines, Taiwan, Portugal"],

"soyabean":["/static/images/soyabean.jpg", "Madhya Pradesh, Maharashtra, Rajasthan, Madhya
Pradesh and Maharashtra", "kharif", "Spain, Thailand, Singapore"],

"urad":["/static/images/urad.jpg", "Andhra Pradesh, Maharashtra, Madhya Pradesh, Tamil Nadu",
"rabi", "United States, Canada, United Arab Emirates"],

"ragi":["/static/images/ragi.jpg", "Maharashtra, Tamil Nadu and Uttarakhand", "kharif", "United
Arab Emirates, New Zealand, Bahrain"],

"sunflower":["sunflower.jpg", "Karnataka, Andhra Pradesh, Maharashtra, Bihar, Orissa", "rabi",
"Phillippines-United States, Bangladesh"],
"sugarcane":["sugarcane.jpg", "Uttar Pradesh, Maharashtra, Tamil Nadu, Karnataka, Andhra
Pradesh", "kharif", "Kenya, United Arab Emirates, United Kingdom"],

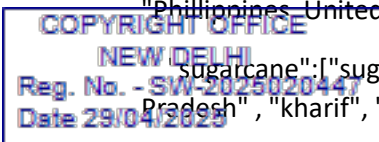
"Potato":["/static/images/Potato.jpeg", "Uttar Pradesh, West Bengal,
Bihar,Gujrat", "rabi", "Netherland,France,Germany"],

"Onion":["/static/images/Onion.jpg", "Maharashtra, Madhya Pradesh, Karnataka,
Gujarat", "kharif", "Bangladesh, UAE, Bhutan, Bahrain, Mauritius, Sri Lanka"]

}

return crop_data[crop_name]

```



## requirements.txt

```

flask
scikit-learn
numpy
pandas
flask-cors

```



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अज्ञानान्तरा

## Index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> Krishi Mitra</title>
```

```
<style>
```

```
/* Ensure the container has no scrollbars and fits the content */
```

```
.botpress-webchat-container {
```

```
    overflow: hidden !important;
```

```
    padding: 0 !important;
```

```
    max-width: 100% !important;
```

```
    height: 100% !important;
```

```
    box-sizing: border-box !important;
```

```
}
```

```
/* If the bot's content is placed within another container, target it */
```

```
.botpress-webchat-container .bp-chat-container {
```

```
    width: auto !important;
```

```
    height: auto !important;
```

```
    max-width: 100% !important;
```

```
    max-height: 100% !important;
```

```
    overflow: hidden !important;
```

```
    padding: 0 !important;
```

```
    display: block !important;
```

```
    box-sizing: border-box !important;
```

```
}
```

```
/* Target the logo */
```

```
.botpress-webchat-container .bp-chat-logo {
```

```
    width: 100% !important;
```

```
    height: auto !important;
```



*अज्ञान मित्र*

```

display: block !important;
}
</style>

```

```

<!-- Compiled and minified CSS -->

```

```

<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">

```

```

<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">

```

```

<!-- Compiled and minified JavaScript -->

```

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 Date 29/04/2025

```

<style>

```

```

@import url('https://fonts.googleapis.com/css?family=Open+Sans&display=swap');

```

```

body {
  font-family: 'Open Sans', sans-serif;
  margin: 0;
  padding: 0;
  background-color: white;
}

```

```

span, img {
  vertical-align: middle;
}

```

```

.brand-logo {
  display: inline-flex;
  align-items: center;
}

```



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 अनामिका शर्मा

```
.brand-logo img {
    margin-right: 10px;
}
```

```
.brand-logo span {
    font-size: 24px;
    color: #f87d2a;
}
```

```
.fixed-image {
    background-image: url('/static/Untitled_Export_V2.jpeg'); /* Use your image path */
    background-size: cover;
    background-position: center;
    /* background-attachment: fixed; */
    height: 100vh; /* Makes the image cover the full viewport height */
    width: 100%;
}
```

```
</style>
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
```

```
</head>
```

```
<!-- <body class="main"> -->
```

```
<body>
```

```
<!-- my changes -->
```

```
<div class="fixed-image"></div>
```

```
<div class="row">
```

```
    <div class="card-panel col s9">
```

```
        <h4 class="cyan lighten-5">Top Gainers(Current trends)</h4>
```



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अनिल म. शर्मा

```
<table class="striped">
```

```
<thead>
```

```
<tr>
```

```
<th>Item Name</th>
```

```
<th>Price (per Qtl.)</th>
```

```
<th>Change</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
{% for item in context['top5'] %}
```

```
<tr>
```

```
<td>{{item[0]}}</td>
```

```
<td>₹{{item[1]}}</td>
```

```
<td class="valign-wrapper">{{item[2]}}% </td>
```

```
</tr>
```

```
{% endfor %}
```

```
</tbody>
```

```
</table>
```

```
<div class="card-panel">
```

```
<h4 class="#e0f7fa cyan lighten-5">Top Losers(Current trends)</h4>
```

```
<table class="striped">
```

```
<thead>
```

```
<tr>
```

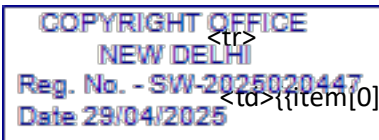
```
<th>Item Name</th>
```

```
<th>Price (per Qtl.)</th>
```

```
<th>Change</th>
```

```
</tr>
```

```
... id>
```



अज्ञानान्तरा  
अज्ञानान्तरा

```
</div>
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- SW 2025020447
04/2025
<div class="col s3">

<div class="card grey lighten-3">
  <div class="card-content black-text">
    <h6>Star Commodity Prediction</h6>
    <span class="card-title" id="time">{{context.sixmonths[0][0]}}</span>
    <table class="valign-wrapper">
      <tr>
        <td><h5 id="crop1">{{context.sixmonths[0][1]}}</h5></td>
        <td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~</td>
        <td class="right">
          <h4 id="price1">₹{{context.sixmonths[0][2]}}</h4>
          <p id="pos-change" class="valign-wrapper right">{{context.sixmonths[0][3]}}%</p></td>
        </tr>
      <tr>
```



अभिषेक :-  
अन्नाभा पंडित



```
<td class="right"><h4 id="price2">₹{{context.sixmonths[0][5]}}</h4>
<p id="neg-change" class="valign-wrapper right">{{context.sixmonths[0][6]}}%</p>
</td>
```

&lt;/table&gt;

```
function sleep(ms) {
  return new Promise(resolve => setTimeout(resolve, ms));
}
```

```
function updateTime(i){
  $('#time').load('https://krishimitra-gyl4.onrender.com/ticker/'+0+ '/' + i);
}
```

```
function updatePrice1(i){
  $('#price1').load('https://krishimitra-gyl4.onrender.com/ticker/' + 2 + '/' + i);
}
```

```
tion updateCrop2(i){
#crop2''.load('https://krishimitra-gyl4.onrender.com/ticker/'+ 4 + '/' + i);
```



30/01/2020  
अज्ञात पी.पी.पी.

```
}
```

```
function updatePrice2(i){  
    $('#price2').load('https://krishimitra-gyl4.onrender.com/ticker/'+ 5 + '/' + i);  
}  
  
function updateChange2(i){  
    $('#change2').attr("src","../static/loss-icon.png");  
    $('#neg-change').load('https://krishimitra-gyl4.onrender.com/ticker/'+ 6 + '/' + i);  
}
```



```
</script>
```

```
<script>
```

```
var i = 0  
setInterval(async function(){  
    i = (i+1)%5;  
    updateTime(i);  
  
    updateCrop1(i);  
    await sleep(200);  
  
    updatePrice1(i);  
    await sleep(200);  
  
    updateChange1(i);  
    await sleep(200);  
  
    updateCrop2(i);  
    await sleep(200);
```



*अज्ञानान्तरा*  
अज्ञानान्तरा

```

updatePrice2(i);
await sleep(200);

updateChange2(i);
await sleep(200);

/*
setTimeout(updateCrop1(i), 100);
setTimeout(updatePrice1(i), 300);
setTimeout(updateChange1(i), 500);
setTimeout(updateCrop2(i), 700);
setTimeout(updatePrice2(i), 800);
setTimeout(updateChange2(i), 900);
*/

```



```

}, 4000);

```

```

</script>

```

```

</div>

```

```

</div>

```

```

</div>

```

```

</div>

```

```

<h5>Explore by commodity</h5>

```

```

<div class="row">

```

```

<div class="col s3">

```

```

<a href="http://localhost:5000/commodity/paddy" style="color: #000000">

```

```

<div class="card grey lighten-4">

```

```

  <div class="card-content row valign-wrapper">

```

```

    <div class="col s3">

```

अनामिका शर्मा





</div>

<div class="col s9">

<span class="card-title">Paddy</span>

</div>

</div>

</div>

</a>

</div>

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/wheat" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Wheat</span>

</div>

</div>

</div>

</a>

</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/barley" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

ass="col s9">

1 class="card-title">Barley</span>

अनाज मंडल



</div>

</div>

</div>

</a>

</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/soyabean" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Soya Bean</span>

</div>

</div>

</div>

</a>

</div>

</div>

<div class="row">

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/cotton" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Cotton</span>



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अज्ञानान्तरा

</div>

</a>

</div>

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/copra" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Coconut</span>

</div>

</div>

</div>

</a>

</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/groundnut" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Ground Nut Seeds</span>

</div>

</div>

</div>

</a>

div class="col s3">

= "https://krishimitra-gyl4.onrender.com/commodity/rape" style="color: #000000">



अज्ञात माला प्रकृति

```

<div class="card grey lighten-4">
  <div class="card-content row valign-wrapper">
    <div class="col s3">
      
    </div>
    <div class="col s9">
      <span class="card-title">Mustard Seed</span>
    </div>
  </div>
</div>
</a>

```



```

<div class="row">
  <div class="col s3">
    <a href="https://krishimitra-gyl4.onrender.com/commodity/sesamum" style="color: #000000">
      <div class="card grey lighten-4">
        <div class="card-content row valign-wrapper">
          <div class="col s3">
            
          </div>
          <div class="col s9">
            <span class="card-title">Gingelly Seed(Sesamum)</span>
          </div>
        </div>
      </div>
    </a>
  </div>
  <div class="col s3">
    <a href="https://krishimitra-gyl4.onrender.com/commodity/gram" style="color: #000000">
      <div class="card grey lighten-4">
        <div class="card-content row valign-wrapper">
          <div class="col s3">
            
          </div>
          <div class="col s9">
            <span class="card-title">Mustard Seed</span>
          </div>
        </div>
      </div>
    </a>
  </div>

```



```

=>https://krishimitra-gyl4.onrender.com/commodity/gram" style="color: #000000">
ss="card grey lighten-4">

```

अनाज मंडल

```

<div class="card-content row valign-wrapper">

  <div class="col s3">

  </div>

  <div class="col s9">

    <span class="card-title">Gram</span>

  </div>

</div>

</div>

</div>

</a>

</div> <div class="col s3">

  <a href="https://krishimitra-gyl4.onrender.com/commodity/sugarcane" style="color: #000000">
    <div class="card grey lighten-4">

      <div class="card-content row valign-wrapper">

        <div class="col s3">

        </div>

        <div class="col s9">

          <span class="card-title">Sugarcane</span>

        </div>

      </div>

    </div>

  </a>

</div> <div class="col s3">

  <a href="https://krishimitra-gyl4.onrender.com/commodity/arhar" style="color: #000000">

    <div class="card grey lighten-4">

      <div class="card-content row valign-wrapper">

        <div class="col s3">

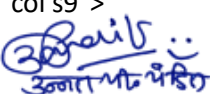
          

        </div>

        <div class="col s9">

```



ass="col s9">  
  
 अनामिका शर्मा



```

        <span class="card-title">Arhar</span>

    </div>

</div>

</div>

</a>

</div>

</div>

<div class="row">

<div class="col s3">

    <a href="https://krishimitra-gyl4.onrender.com/commodity/ragi" style="color: #000000">

        <div class="card grey lighten-4">

            <div class="card-content row valign-wrapper">

                <div class="col s3">

                </div>

                <div class="col s9">

                    <span class="card-title">Ragi</span>

                </div>

            </div>

        </div>

    </a>

</div>

<div class="col s3">

    <a href="https://krishimitra-gyl4.onrender.com/commodity/maize" style="color: #000000">

        <div class="card grey lighten-4">

            <div class="card-content row valign-wrapper">

                <div class="col s3">

                </div>

```

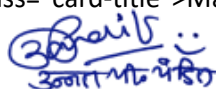


```

        ass="col s9">

        1 class="card-title">Maize</span>

```



</div>

</div>

</div>

</a>

</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/moong" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Moong</span>

</div>

</div>

</div>

</a>

</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/masoor" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Masoor</span>

</div>

</div>

</div>



30/04/25  
अज्ञात भा. प्र. वि.

</div>

<div class="row">

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/urad" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Urad</span>



</div>

</a>

</div>

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/jute" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Raw Jute</span>

</div>

</div>

</div>

</a>

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/niger" style="color: #000000">



अनामिका शर्मा

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

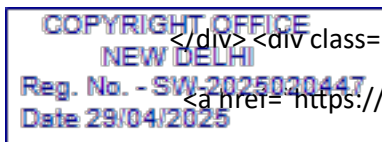
<span class="card-title">Niger Seed</span>

</div>

</div>

</div>

</a>



</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/safflower" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Kardi Seed</span>

</div>

</div>

</div>

</a>

</div>

</div>

<div class="row">

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/sunflower" style="color: #000000">

ss="card grey lighten-4">

ass="card-content row valign-wrapper">



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<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Sunflower</span>

</div>

</div>

</div>

</a>

</div>

<div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/jowar" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



</div>

<div class="col s9">

<span class="card-title">Jowar</span>

</div>

</div>

</div>

</a>

</div> <div class="col s3">

<a href="https://krishimitra-gyl4.onrender.com/commodity/bajra" style="color: #000000">

<div class="card grey lighten-4">

<div class="card-content row valign-wrapper">

<div class="col s3">



ass="col s9">

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```

        <span class="card-title">Bajra</span>

    </div>

</div>

</div>

</a>

</div> <div class="col s3">

    <a href="http://localhost:5000/commodity/bajra" style="color: #000000">

        <div class="card grey lighten-4">

            <div class="card-content row valign-wrapper">

                <div class="col s3">

                </div>

            </div>

        </div>

    </div>

    <div class="col s9">

        <span class="card-title">Potato</span>

    </div>

</div>

</div>

</div>

</a>

</div><div class="col s3">

    <a href="http://localhost:5000/commodity/Onion" style="color: #000000">

        <div class="card grey lighten-4">

            <div class="card-content row valign-wrapper">

                <div class="col s3">

                </div>

            </div>

            <div class="col s9">

                <span class="card-title">Onion</span>

            </div>

        </div>

    </div>

```



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</div>

<script type="text/javascript" charset="utf-8">

\$(document).ready(function(){

\$('.slider').slider({full\_width :true});

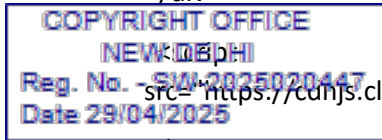
});

</script>

<div class="botpress-webchat-container"> <script  
src="https://cdn.botpress.cloud/webchat/v2.1/inject.js"></script>

<script src="https://mediafiles.botpress.cloud/3bc67aa9-7bbf-4745-aae3-  
efe4d68f5807/webchat/v2.1/config.js"></script>

</div>



<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js"></script>

</body>

</html>



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## commodity.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Krishi Mitra</title>
```

```
<!-- Compiled and minified CSS -->
```

```
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">
```

```
<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
```

```
<!-- Compiled and minified JavaScript -->
```



```
<style>
div.main {
padding: 5px 50px 75px 50px;
}

body{
background-color:#A9BA9D;

}

.header{
color: black;
}

.custom-card-panel {
background-color:white; /* Replace with your desired color */
color: black; /* Text color */
}

</style>
```



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```
<div class="main">
```

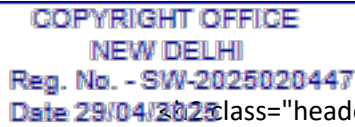
```
<div class="nav-wrapper">
```

```
<h3 class="card-panel custom-card-panel center valign-wrapper"><a class="brand-logo" href="#"
style="color: green;"></a>
```

```
<span>KRISHI MITRA</span></a>
```

```
</a></h3>
```

```
</div>
```



```
class="header">{{context.name}}</h2>
```

```
<div class="row">
```

```
<div class="col s8 m7">
```

```
<div class="card horizontal medium">
```

```
<div class="card-image">
```

```
<img src={{context.image_url}}>
```

```
</div>
```

```
<div class="card-stacked">
```

```
<div class="card-content">
```

```
<table>
```

```
<tr>
```

```
<td>Current Price</td>
```

```
<td><b>₹ {{context.current_price}} / ql</b></td>
```

```
</tr>
```

```
<tr>
```

```
<td>Prime Location</td>
```

```
<td><b>{{context.prime_loc}}</b></td>
```



```
r>
```

```
>
```

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```
<td>Crop Type</td>

<td><b>{{context.type_c}}</b></td>

</tr>

<tr>

<td>Export</td>

<td><b>{{context.export}}</b></td>

</tr>

</table>

</div>

</div>

</div>
```



```
<div class="col s4">

<div class="card white">

<div class="card-content black-text">

<span class="card-title">Brief Forecast</span>

<table>

<tr>

<td><p>Min. crop price time</p>

<td><h5>{{context.min_crop[0]]}</h5></td>

<td>

<h4>₹{{context.min_crop[1]]}</h4>

</td>

</tr>

<tr>

<td><p>Max. crop price time</p>

<td><h5>{{context.max_crop[0]]}</h5></td>

<td>

<h4>₹{{context.max_crop[1]]}</h4>
```



```
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```

</tr>

</table>

</div>

</div>

</div>

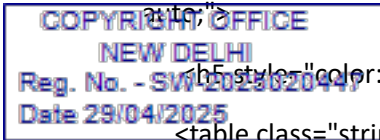
</div>

</div>

<div class="row" >

<div class="col s4" style="background-color:#D0D9CD;box-shadow: 5px 5px 8px #78866B; margin:

auto;">



<h5 style="color: #687169;">Forecast Trends</h5>

<table class="striped" style="color: black;">

<thead>

<tr>

<th>Month</th>

<th>Price (per Qtl.)</th>

<th>Change</th>

</tr>

</thead>

<tbody>

{% for item in context.forecast\_values %}

<tr>

<td>{{item[0]}}</td>

<td>₹{{item[1]}}</td>

<td class="valign-wrapper">{{item[2]}}% {% if item[2]>=0 %}<img src= "../static/gain-icon.png" height="25" width="25">{% else %}<img src= "../static/loss-icon.png" height="25" width="25">{% endif %}</td>



for %}

*Handwritten signature in blue ink.*  
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```

<script>

new Chart(

document.getElementById("chartjs-0"), {

  "type": "line",

  "data": {

    "labels": {{ context.forecast_x|safe }},

    "datasets": [{

      "label": "Next year Price",

      "data": {{ context.forecast_y|safe }},

      "fill": false,

      "borderColor": "rgb(75, 192, 192)",

      "lineTension": 0.1

    ]

  },

  "options": {

    responsive: true,

    maintainAspectRatio: false,

    scales: {

      yAxes: [{

        display: true,

        ticks: {

          suggestedMin: 1000,

          stepSize: 200

        }

      ]

    }

  }

});

```



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```

datasets: [{
  label: "Previous year price",
  data: {{ context.previous_y| safe }},
  fill: false,
  borderColor: "rgb(75, 192, 192)",
  lineTension: 0.1
}]
},
options: {
  responsive: true,
  maintainAspectRatio: false,
  scales: {
    yAxes: [{
      display: true,
      ticks: {
        suggestedMin: 1000,
        stepSize: 200
      }
    }],
    xAxes: [{
      gridLines: {
        color: "rgba(135, 206, 250, 0.1)", /* Light blue gridlines */
      }
    }]
  }
}
});
</script>

```

</div>



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</div>

</script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

</body>

</html>

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Date 29/04/2025



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