

TEST THE MODEL

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# test_image = image.img_to_array(test_image)
test_image = np.expand_dims(test_image, axis=0)
result = classifierLoad.predict(test_image)

print(result)

out = ''
fer = ''
if result[0][0] == 1:
    out = "APPLES"
elif result[0][1] == 1:
    out = "Badam"
elif result[0][2] == 1:
    out = "Badam Drink"
elif result[0][3] == 1:
    out = "Banana"
elif result[0][4] == 1:
    out = "Beef Steak"
elif result[0][5] == 1:
    out = "BeetrootFry"

elif result[0][6] == 1:
    out = "Biriyani"
elif result[0][7] == 1:
    out = "Biscuits"
elif result[0][8] == 1:
    out = "BitterGuardFry"
elif result[0][9] == 1:
    out = "Boiledegg"
elif result[0][10] == 1:
    out = "Bread with Peanutbutter"

elif result[0][11] == 1:
    out = "BreadandJam"
elif result[0][12] == 1:
    out = "Badam"
elif result[0][13] == 1:
    out = "Burger"
elif result[0][14] == 1:
    out = "CapsicumCurry"
elif result[0][15] == 1:
    out = "Cashew"
elif result[0][16] == 1:
    out = "Chappathi"

elif result[0][17] == 1:
    out = "Cheeseballs"
elif result[0][18] == 1:
    out = "ChilliBeef"
elif result[0][19] == 1:
    out = "Chocolate"
elif result[0][20] == 1:
    out = "ChocolateIcecream"
elif result[0][21] == 1:
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        out = "ChoolapooriwithChanna"
    elif result[0][22] == 1:
        out = "CoffeeorLatte"

    elif result[0][23] == 1:
        out = "CrabMasala"
    elif result[0][24] == 1:
        out = "Cucumber"
    elif result[0][25] == 1:
        out = "Curdrice"
    elif result[0][26] == 1:
        out = "Dosa"

    foodName= out

    session["out"]=foodName

    return render_template('Result.html', data=session["out"])

else:
    return render_template('submission.html')

def out():
    if request.method == "POST":
        nutrients = {}
        USDAapiKey = '9f8yGs19GGo5ExPpBj7fqjKOF1XXxkJdMyJKXwG3'

        foodName = session["out"]
        response = requests.get(

'https://api.nal.usda.gov/fdc/v1/foods/search?api_key={}&query={}&requireAllWords=
{}'.format(USDAapiKey,

foodName,

True))

        data = json.loads(response.text)
        concepts = data['foods'][0]['foodNutrients']
        arr = ["Sugars", "Energy", "Vitamin A", "Vitamin D", "Vitamin B", "Vitamin
C", "Protein", "Fiber", "Iron",
               "Magnesium",
               "Phosphorus", "Cholestrol", "Carbohydrate", "Total lipid (fat)",
"Sodium", "Calcium", ]
        for x in concepts:
            if x['nutrientName'].split(',')[0] in arr:
                if (x['nutrientName'].split(',')[0] == "Total lipid (fat)":
                    nutrients['Fat'] = str(x['value']) + " " + x['unitName']
                else:
                    nutrients[x['nutrientName'].split(',')[0]] = str(x['value']) +
" " + x['unitName']

            return render_template('display.html', x=foodName, data=nutrients,
account=session['username'])

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