

ModelBuilding

Test The Model

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Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts

Test The Model

- ❖ Evaluation is a process during the development of the model to check whether the model is the best fit for the given problem and corresponding data.
- ❖ Load the saved model using load model.

Predicting our results

```
[ ] from tensorflow.keras.models import load_model
    from tensorflow.keras.preprocessing import image
    import numpy as np
```

- ❖ Taking an image as input and checking the results.

```
img = image.load_img("/content/drive/MyDrive/Dataset/Dataset/TEST_SET/BANANA/102_100.jpg",target_size= (64,64)) #loading of the image
img
```

- ❖ By using the model we are predicting the output for the given input image.

```
[ ] labels=['APPLES', 'BANANA', 'ORANGE', 'PINEAPPLE', 'WATERMELON']
    labels[np.argmax(pred)]

'BANANA'
```

- ❖ The predicted class index name will be printed here.