## **Model Building**

## **Test The Model**

Title	AI powered nutrition analyzer for
	fitness enthusiasts
College Name	AVS College of Technology
Team Id	PNT2022TMID42147

## Test The Model:

```
[[255., 255., 255.],
[255., 255., 255.],
[255., 255., 255.],
                [255., 255., 255.],
[255., 255., 255.],
[255., 255., 255.],
               [[255., 255., 255.],
[255., 255., 255.],
[255., 255., 255.],
                [255., 255., 255.],
[255., 255., 255.],
[255., 255., 255.],
               [[255., 255., 255.],
[255., 255., 255.],
[255., 255., 255.],
                       ...,
[255., 255., 255.],
[255., 255., 255.],
[255., 255., 255.]]], ctype=float32)
 In [26]: x.ndim
 Out[26]: 3
In [27]: x=np.expand_dims(x,axis=0)
In [28]: x.ndim
 Out[28]: 4
 In [29]: pred = classifier.predict(x)
              1/1 [======] - 0s 213ms/step
 In [30]: pred
 Out[30]: array([[0., 0., 1., 0., 0.]], dtype=float32)
In [31]: labels=['APPLES', 'BANANA', 'ORANGE', 'PINEAPPLE', 'WATERMELON'] labels[np.argmax(pred)]
Out[31]: 'ORANGE'
```