

Project Development Phase

Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID35928
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	<pre> Model: "sequential" Layer (type) Output Shape Param # ----- conv2d (Conv2D) (None, 32, 32, 32) 896 activation_0 (Activation) (None, 32, 32, 32) 0 conv2d_1 (Conv2D) (None, 30, 30, 32) 9248 activation_1 (Activation) (None, 30, 30, 32) 0 max_pooling2d (MaxPooling2D) (None, 15, 15, 32) 0 dropout_0 (Dropout) (None, 15, 15, 32) 0 conv2d_2 (Conv2D) (None, 15, 15, 64) 18496 activation_2 (Activation) (None, 15, 15, 64) 0 conv2d_3 (Conv2D) (None, 13, 13, 64) 36928 activation_3 (Activation) (None, 13, 13, 64) 0 max_pooling2d_1 (MaxPooling2D) (None, 6, 6, 64) 0 dropout_1 (Dropout) (None, 6, 6, 64) 0 flatten (Flatten) (None, 2304) 0 dense (Dense) (None, 512) 1180160 activation_4 (Activation) (None, 512) 0 dropout_2 (Dropout) (None, 512) 0 dense_1 (Dense) (None, 42) 21546 activation_5 (Activation) (None, 42) 0 Total params: 1,267,274 Trainable params: 1,267,274 Non-trainable params: 0 </pre>
2.	Accuracy	<p>Training Accuracy - 0 . 9433</p> <p>Validation Accuracy - 0 . 9734</p>	<pre> Epoch 10/10: 100% - 1.0000 - accuracy: 0.9433 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9734 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9433 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9734 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9433 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9734 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9433 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9734 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9433 Epoch 10/10: 100% - 1.0000 - accuracy: 0.9734 </pre>