

Team id	PNT2022TMID00642
Project name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts

Summary Screenshot

The screenshot shows a Jupyter Notebook titled "Nutrition.ipynb". The code cell contains the following Python code:

```
[ ] model.add(Convolution2D(32,(3,3),activation="relu",strides=(1,1),input_shape=(64,64,3)))
[ ] model.add(MaxPooling2D(pool_size=(2,2)))
[ ] model.add(Flatten())
[ ] model.summary()
```

The output of the `model.summary()` call is displayed as a table:

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 62, 62, 32)	896
max_pooling2d (MaxPooling2D)	(None, 31, 31, 32)	0
flatten (Flatten)	(None, 30752)	0

Below the table, the following statistics are shown:

```
Total params: 896
Trainable params: 896
Non-trainable params: 0
```

The interface also shows a file browser on the left and a status bar at the bottom indicating "0s completed at 11:36 PM".

Accuracy Screenshot

The screenshot shows a Jupyter Notebook with the following code and output:

```
[ ] model.fit(x_train,epochs=1,steps_per_epoch=len(x_train),validation_data=x_test,validation_steps=len(x_test))
```

Output:

```
120/120 [=====] - 182s 2s/step - loss: 0.1781 - accuracy: 0.9447 - val_loss: 0.5165 - val_accuracy: 0.8362
<keras.callbacks.History at 0x7efd403a8150>
```

```
[ ] history=model.fit(x_train,epochs=1,steps_per_epoch=len(x_train),validation_data=x_test,validation_steps=len(x_test))
```

Output:

```
120/120 [=====] - 138s 1s/step - loss: 0.0979 - accuracy: 0.9687 - val_loss: 0.5897 - val_accuracy: 0.8620
```

```
model.fit(x_train,epochs=5,steps_per_epoch=len(x_train),validation_data=x_test,validation_steps=len(x_test))
```

Output:

```
Epoch 1/5
120/120 [=====] - 132s 1s/step - loss: 0.0981 - accuracy: 0.9686 - val_loss: 0.5342 - val_accuracy: 0.8716
Epoch 2/5
120/120 [=====] - 127s 1s/step - loss: 0.0900 - accuracy: 0.9727 - val_loss: 0.6108 - val_accuracy: 0.8668
Epoch 3/5
120/120 [=====] - 126s 1s/step - loss: 0.0926 - accuracy: 0.9725 - val_loss: 0.6126 - val_accuracy: 0.8637
Epoch 4/5
120/120 [=====] - 127s 1s/step - loss: 0.0836 - accuracy: 0.9737 - val_loss: 0.5963 - val_accuracy: 0.8623
Epoch 5/5
120/120 [=====] - 129s 1s/step - loss: 0.0743 - accuracy: 0.9756 - val_loss: 0.4265 - val_accuracy: 0.8923
<keras.callbacks.History at 0x7f866830d350>
```

The interface shows a file browser on the left and a status bar at the bottom.