

Model Building

Train The Model

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Team ID	PNT2022TMID13691
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts

- ❖ The model is trained for 20 epochs.
- ❖ `fit_generator` functions used to train a deep learning neural network.
- ❖ `steps_per_epoch`: it specifies the total number of steps taken from the generator as soon as one epoch is finished and the next epoch has started.
- ❖ Epochs: an integer and number of epochs we want to train our model for.
- ❖ `validation_steps`: only if the `validation_data` is a generator then only this argument can be used

```
▶ classifier.fit_generator(  
    generator=x_train, steps_per_epoch = len(x_train),  
    epochs=20, validation_data=x_test, validation_steps = len(x_test)) # No of images in test set
```