

MODEL BUILDING

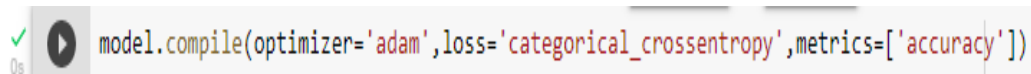
Team ID	PNT2022TMID51044
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

Configure The Learning Process

The compilation is the final step in creating a model. Once the compilation is done, we can move on to the training phase. The loss function is used to find errors or deviations in the learning process. Keras requires loss function during the model compilation process.

Optimization is an important process that optimizes the input weights by comparing the prediction and the loss function. Here we are using adam optimizer

Metrics are used to evaluate the performance of your model. It is similar to the loss function, but not used in the training process.

A code editor snippet showing the Keras model compilation function call. It includes a green checkmark icon, a play button icon, and a small '0s' timer. The code is: `model.compile(optimizer='adam',loss='categorical_crossentropy',metrics=['accuracy'])`

```
model.compile(optimizer='adam',loss='categorical_crossentropy',metrics=['accuracy'])
```