Adding Dense Layers

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➢ A dense layer is a deeply connected neural network layer. It is the most common and frequently used layer.

➢ The number of neurons in the Dense layer is the same as the number of classes in the training set. The neurons in the last Dense layer, use softmax activation to convert their outputs into respective probabilities.

➢ Understanding the model is a very important phase to properly using it for training and prediction purposes. Keras provides a simple method, a summary to get the full information about the model and its layers.

```
classifier.add(Dense(units=5, activation='softmax')) # softmax for more th
```

➢ Indian food is one of the popular cuisines in the world and comprises uniquely flavoured preparations using traditional recipes and spices. Across its 29 states, billion-plus population, and thousands of years of the culinary heritage of India has resulted in a large number of sub-cuisines and a vast number of unique dishes *(Kate Springer, 2020)*.

➢ To aid Indian food enthusiasts, such as myself, in their quest for wellness and fitness, I have conceptualised **CurryAI** — a computer vision aided Indian food nutrition calculator. This calculator would be able to estimate the nutritional content of an Indian dish by means of analysing an image of the dish.

➢ The artificial intelligence within the calculator logic could be embedded as part of a mobile app. This would easily enable users

to get a dish's nutritional content after snapping a picture from their phone.