

## Image Preprocessing

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Project Name	AI-powered Nutrition Analyzer forFitness Enthusiasts

### Import the Image Data Generator Library

Image data augmentation is a method for artificially increasing the size of a training dataset by producing altered copies of the dataset's photographs.

Through the Image Data Generator class, the Keras deep learning neural network library offers the ability to fit models with the addition of picture data.

A screenshot of a code editor interface. On the left, there is a vertical sidebar with a green checkmark and the number '39'. The main area shows two lines of Python code. The first line is a comment: '# Import necessary library'. The second line is an import statement: 'from tensorflow.keras.preprocessing.image import ImageDataGenerator'. The word 'import' is highlighted in purple, and the module path 'tensorflow.keras.preprocessing.image' is underlined with a yellow wavy line.

```
# Import necessary library

from tensorflow.keras.preprocessing.image import ImageDataGenerator
```