Adding CNN Layers

Topic: AI-powered Nutrition Analyzer for Fitness Enthusiasts

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- As the input image contains three channels, we are specifying the input shape as (64,64,3).
- We are adding a two-convolution layer with an activation function as “relu” and with a small filter size (3,3) and the number of filters (32) followed by a max-pooling layer.
- Max pool layer is used to downsample the input (Max pooling is a pooling operation that selects the maximum element from the region of the feature map covered by the filter)
- Flatten layer flattens the input. Does not affect the batch size.