Types of hidden layers in the convolution neural network

1. Input layer – has the input shape that matches the size of your input data
2. Convolutional Layer – used to detect the features in the input data
3. (Max ,average)pooling layer- reduce the size of the features, decrease the computational complexity, control overfitting
4. Flatten layer- flatten layer are used to transition from the convolutional/pooling layers to fully connected layers.
5. Fully connected layer - used for classification or regression tasks, usually has the softmax activation functions
6. Dropout layer-prevent overfitting bu randomly dropping the neurons
7. Batch normalization layer -used for normalization and regularization