<https://realpython.com/python-keras-text-classification/>

When you are working with sequential data, like text, you work with one dimensional convolutions, but the idea and the application stays the same. You still want to pick up on patterns in the sequence which become more complex with each added convolutional layer.

You can see that 80% accuracy seems to be tough hurdle to overcome with this data set and a CNN might not be well equipped. The reason for such a plateau might be that:

* There are not enough training samples
* The data you have does not generalize well
* Missing focus on tweaking the hyperparameters

CNNs work best with large training sets where they are able to find generalizations where a simple model like logistic regression won’t be able.