



Saif Al-Dilaimi

Software Entwickler

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Grundlagen CNN

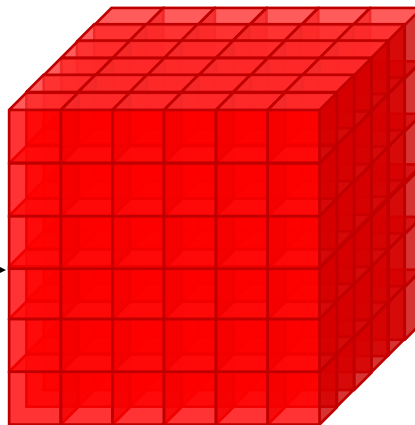
Keras Convolution Layer

```
model.add(Conv2D(...))
```

`Conv2D(...)`

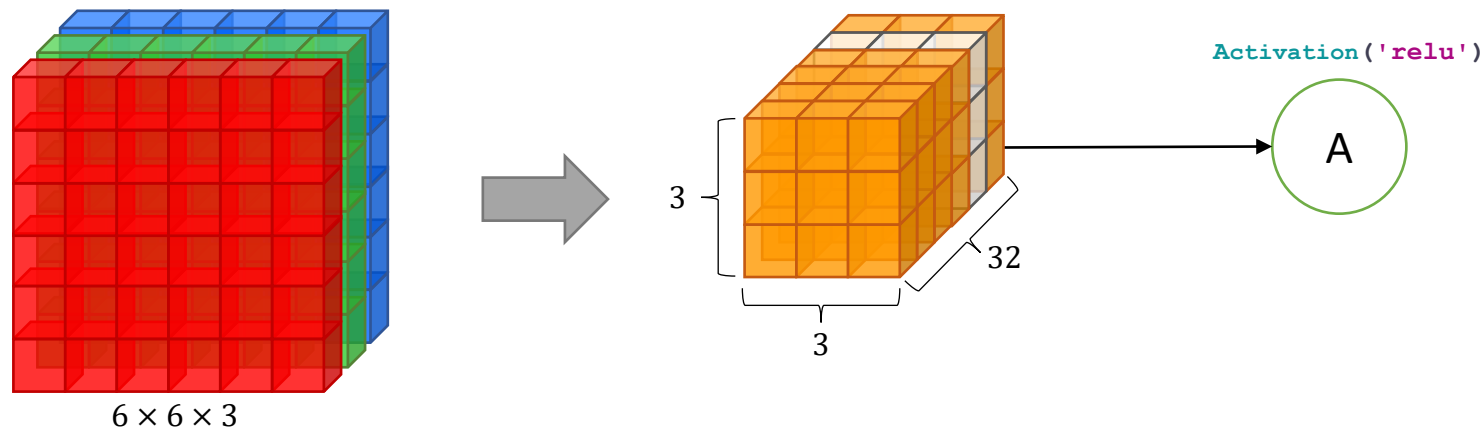
- Filters
- kernel_size
- strides=(1, 1)
- padding='valid'

`Conv2D(32, kernel_size=2, strides=(2, 2))`



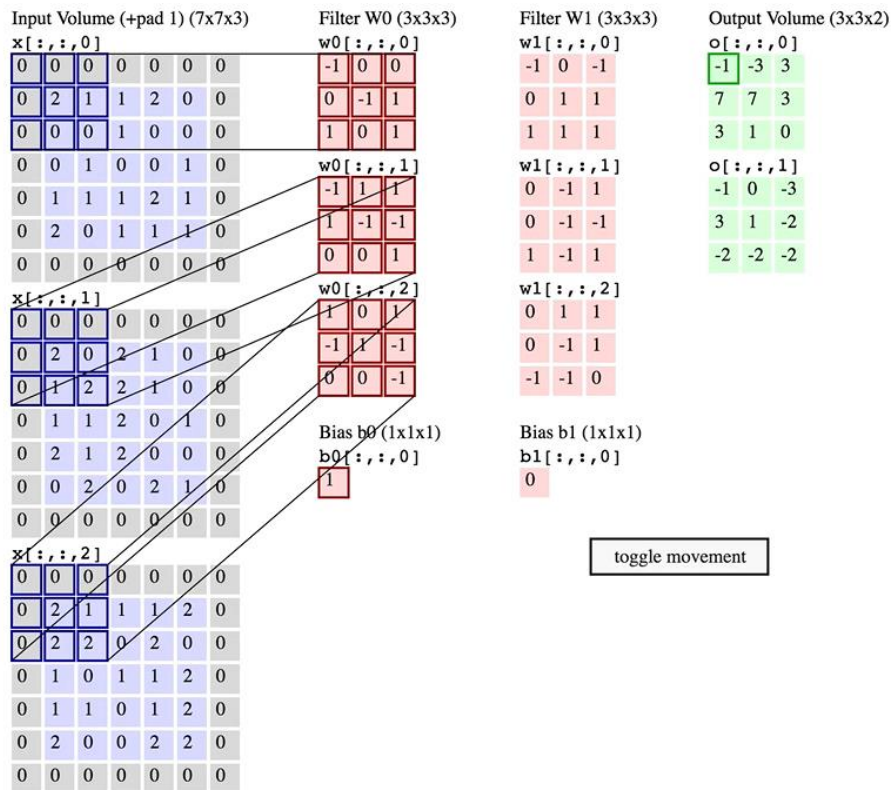
Keras Convolution Layer

```
Conv2D(32, kernel_size=(3,3), strides=(2,2))
```



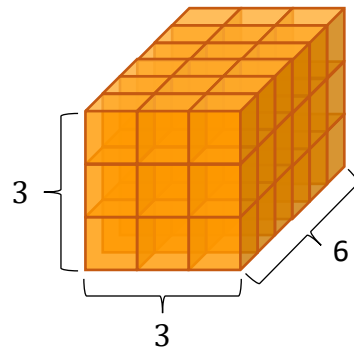
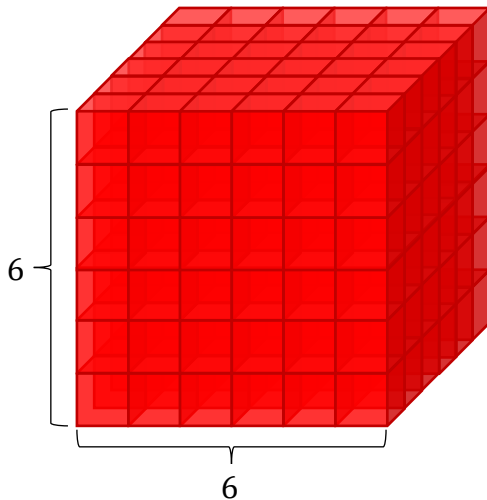
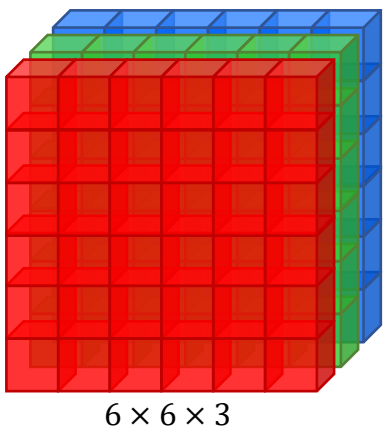
Keras Convolution Layer

- Two filters (kernel) of size 3x3x3
- Stride of (2,2)
- Filter of 2
- Zero padding

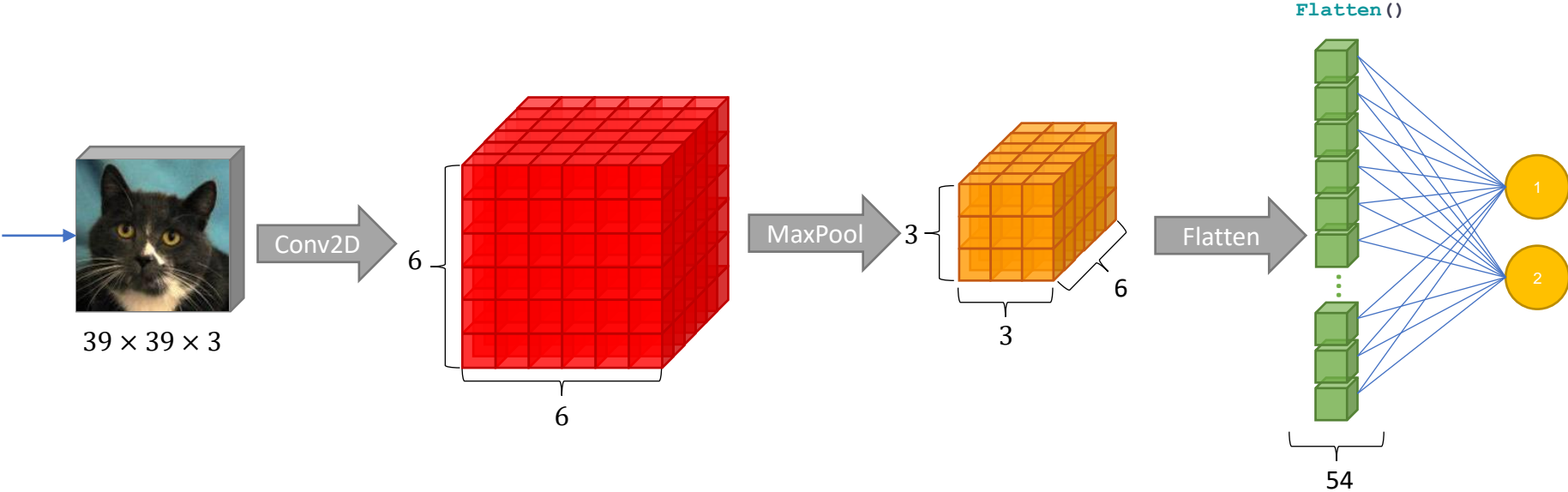


Keras MaxPool Layer

```
MaxPool(pool_size=(2,2))
```



Keras Flatten Layer





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Danke fürs Zuhören!

Gleich geht es weiter mit dem nächsten Thema.