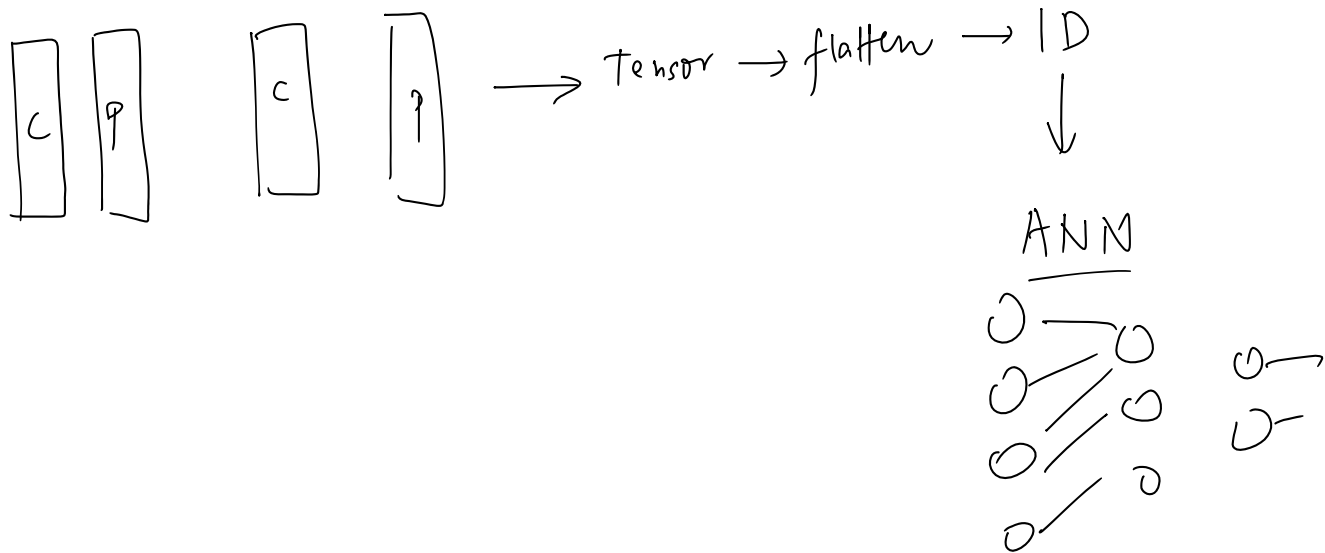
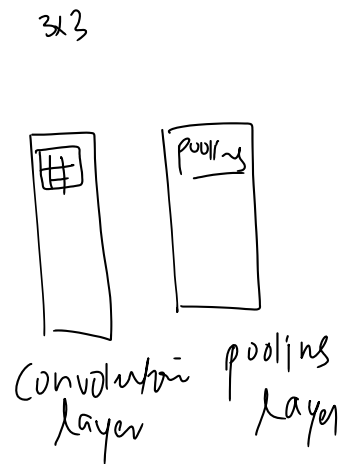
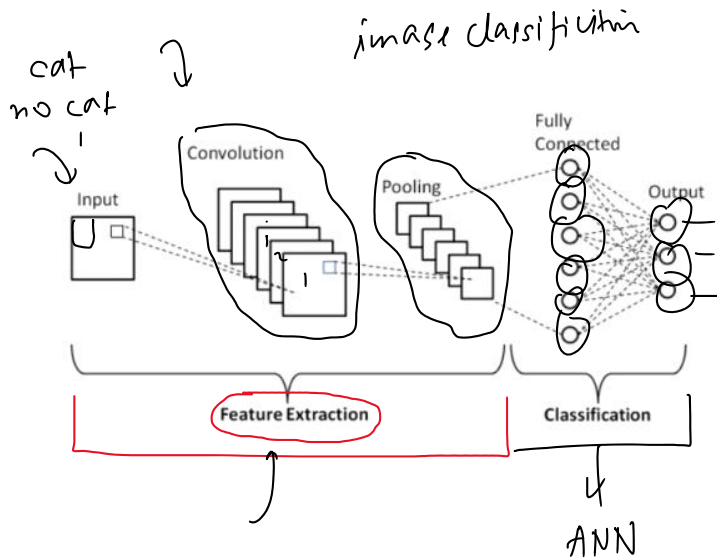
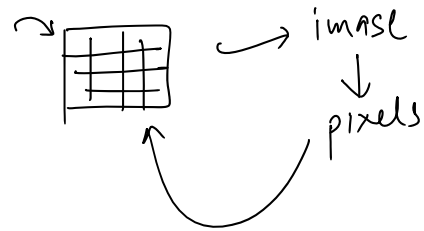


What is CNN

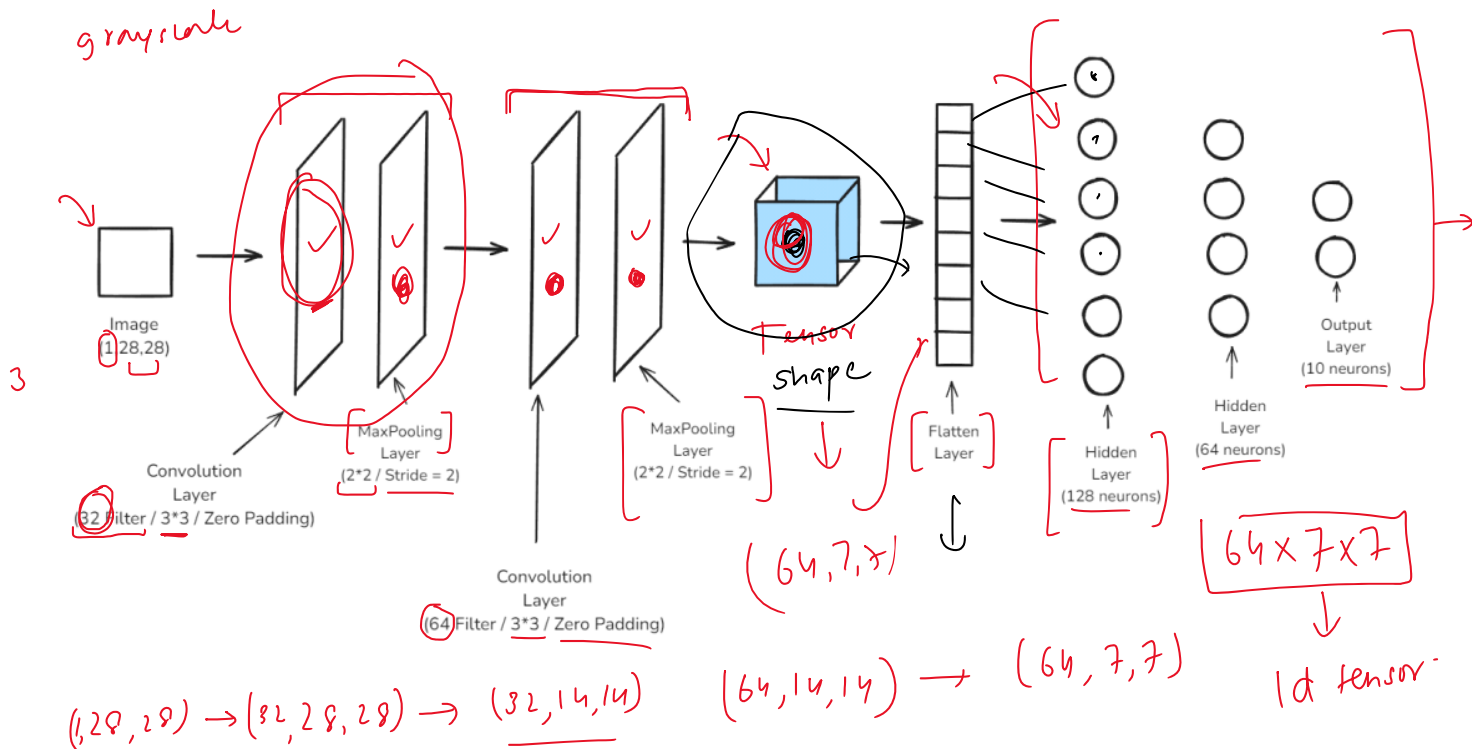
18 January 2025 18:38

Convolutional Neural Networks (CNNs) are a type of deep learning model specifically designed to process and analyse structured data, such as images or videos. They are particularly effective in tasks like image classification, image recognition and object detection due to their ability to automatically and efficiently learn spatial hierarchies of features.



Architecture

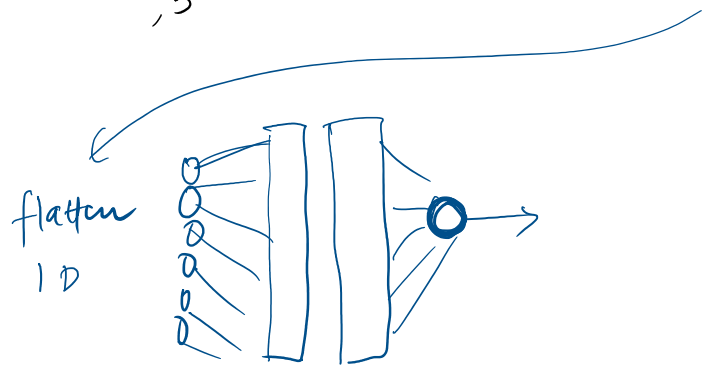
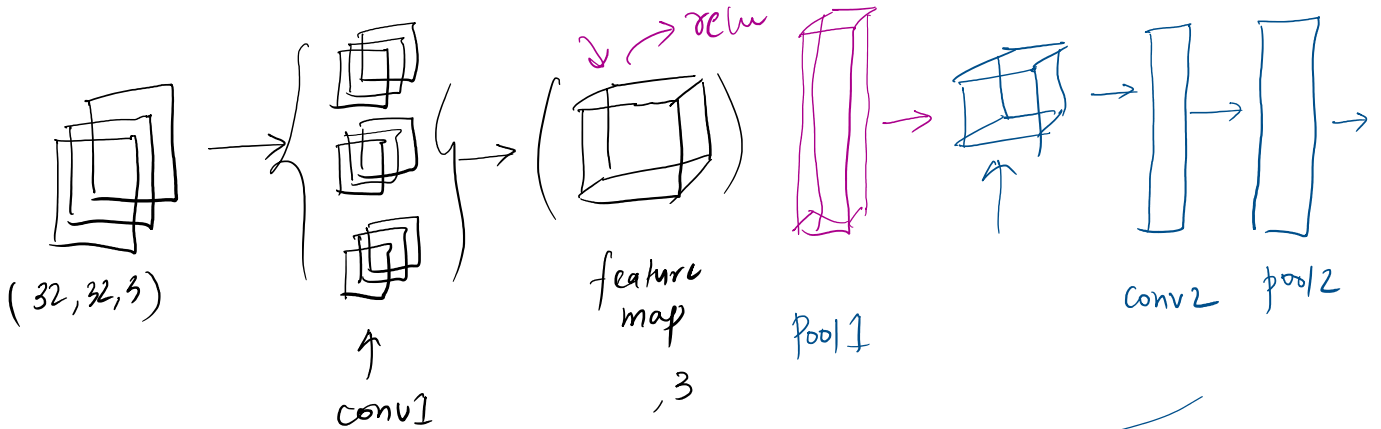
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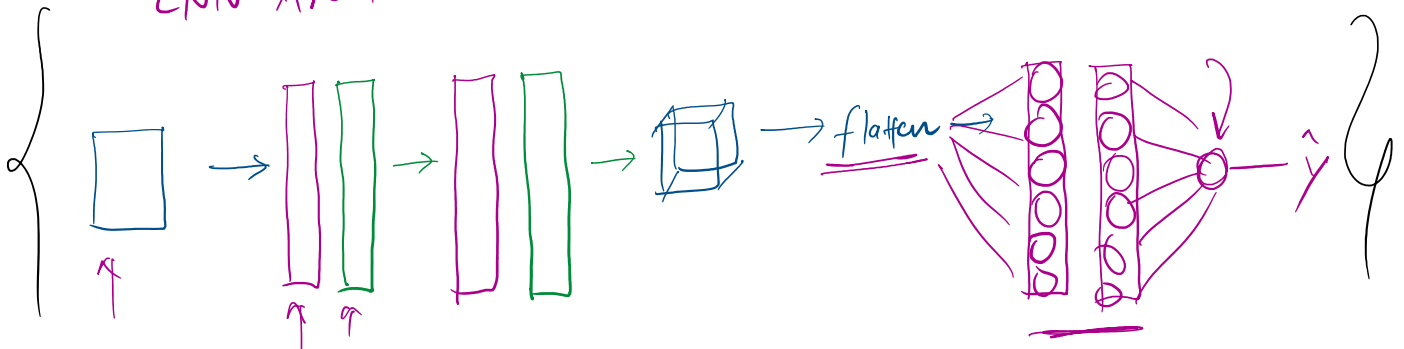
CNN Architecture

02 September 2022 10:55

1) Convolution 2) Padding / stride 3) Pooling



CNN Architecture



# conv	stride	FC nodes	activation	Batch
# filters	padding	# FC layer	dropout	Norm

ImageNET

- 1) [LeNET] → Yann LeCun
- 2) AlexNET
- 3) GoogLeNET

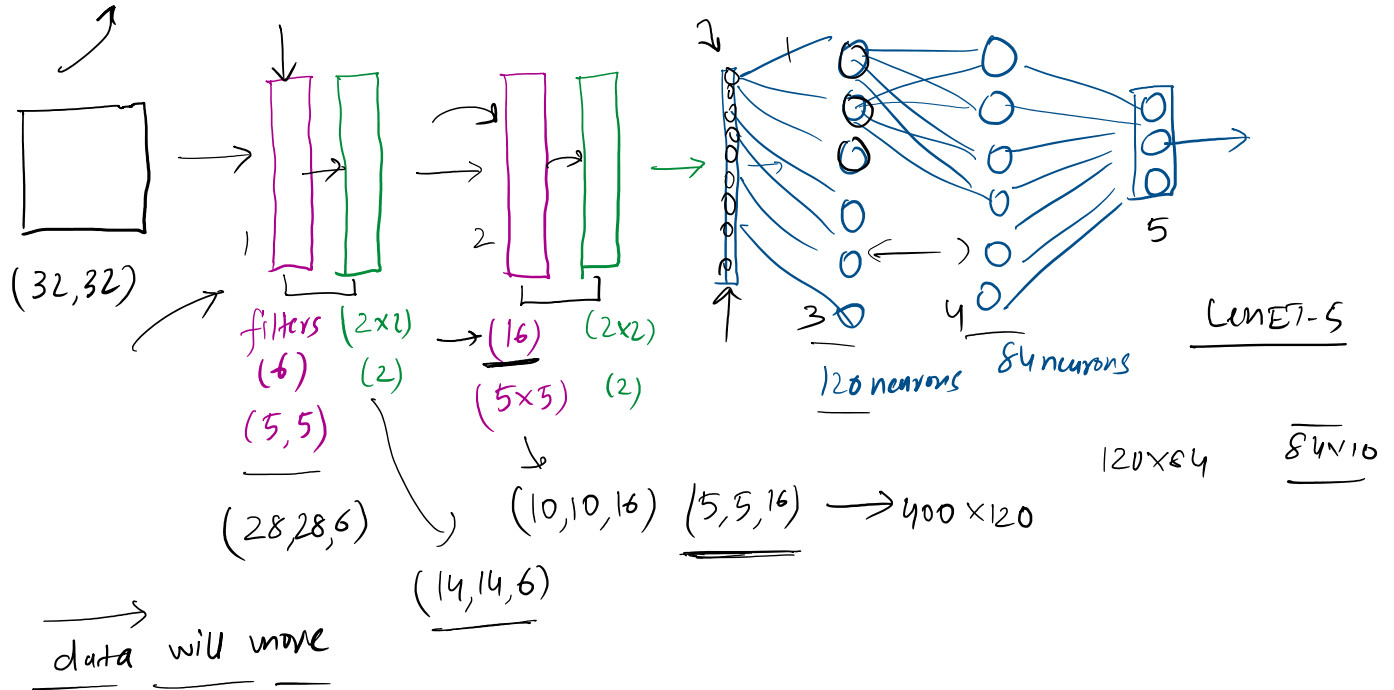
- 4) VggNET
- 5) ResNET
- 6) Inception

LeNet

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Yann LeCun → 1989 → 1998 → LeNET → CNN → US Navy Postal Service

LeNET-5



AlexNET
VggNET
ResNET
threphon