_non-linearity(ReLU) .conjudution "rectified linear unit" shape: x, y, ~100x ex.ima 9 000 abis speed 90/100/1000 90/100/1000 90/100/1000 90/100/1000 90/100/1000 90/100/1000 increase - replaces all negative values in a feature map with zevo identify features sigmoid tanh using filters GENERATED OOT BY TET for every img in train data: 100 5,01 ea oi 100 0010 000000 iterated over -normalizations image bus Sliding run after every >element-wise multiplication and sum conv function 1000 7 img.1 12.5 Pooling 0/2 . downsampling of data by: parameters: May. -avg. -snape - Sum - etc. -depth (# of filters) - Stride (distance of iteration) - zero-padding (maintain 1013 O.G. size) 2×2 avg. filter <u>(Ó Ö Ö Ö Ö Ö</u> Ö) 00201 0001010 010 ZO 00000000 00201 01030 -smaller dimensionality 00102 - prevents overfitting 0000000

regulation changed these physiological marks

3. fully connected layer