





MTWTFSS -> Max-100 ( \_\_ pull the max values. 1+0+1+0 = 0.5 a when padding i not med a comes

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Date: \_\_\_\_\_20\_ > Aug pool MTWTFSS -> Poolinglayer - downsamples -> makes representation smaller and manageable - Max pool la convolution matrix ko pool kandiga Is goal is it downsample is no información is loss -> max information is preserved involvience -> actual information change na no 6 ez: homeration, votation  $\Delta$   $\triangleright$ -> FC Layer pool ka result -> flatten -> FC I The value in a cell is provided to every nemon activation function -> RELU bridden layers pe siada on RELU use horalia nota hai Sanisming gradient problem , Problems in Backpropogation Exploding gradient problem 6 to leave weights optimize weighti gradient close et 0 jone meights upotate natio horomay no tay somes there and 1 Mostemi > gradient bonst sinda barlı jaala hai only 0 means 0, 0,1 means 1 => RELU in 0 -> sigmoid for ramishing faces it is 1 L'gmoid 1 lan h

One layer in ext convolutional layer + RELU + MAX pooling > select some feating and drop we nest > 24 fillers feature selection -> DT is also a feature selection technique Feature Exhaction is to hamisjoon featies actual coordinates change then feature main different gains hotay hain drop features -> B. S. both features one important but we want to keep only one so, me tims from both features into one e.g. # of rooms # of toilli Price Lonsforminco size of the house samples vectors holog hain - Dimensional reduction > j'is column ka variance zinder hai -> its miportant in any forme mariance on d-anis is confer them y-axis vou(x) > vou(1) > Exploding problem Is drop this housaklay hain regularizer -> non linearity ko learn karna immquilizer > réduce averfitting