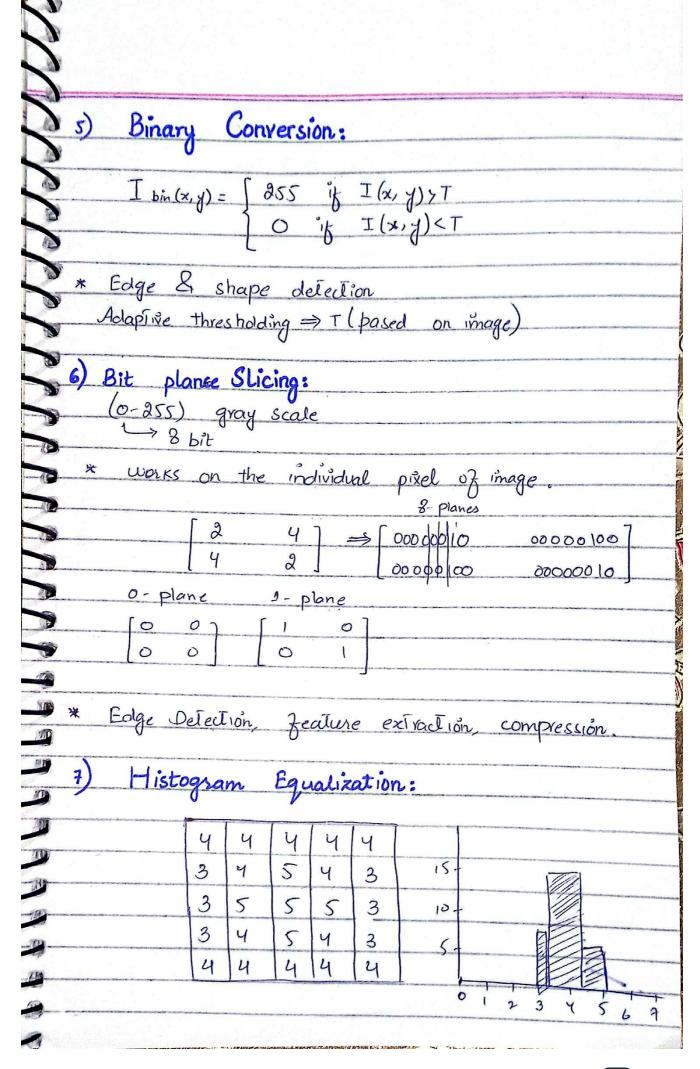
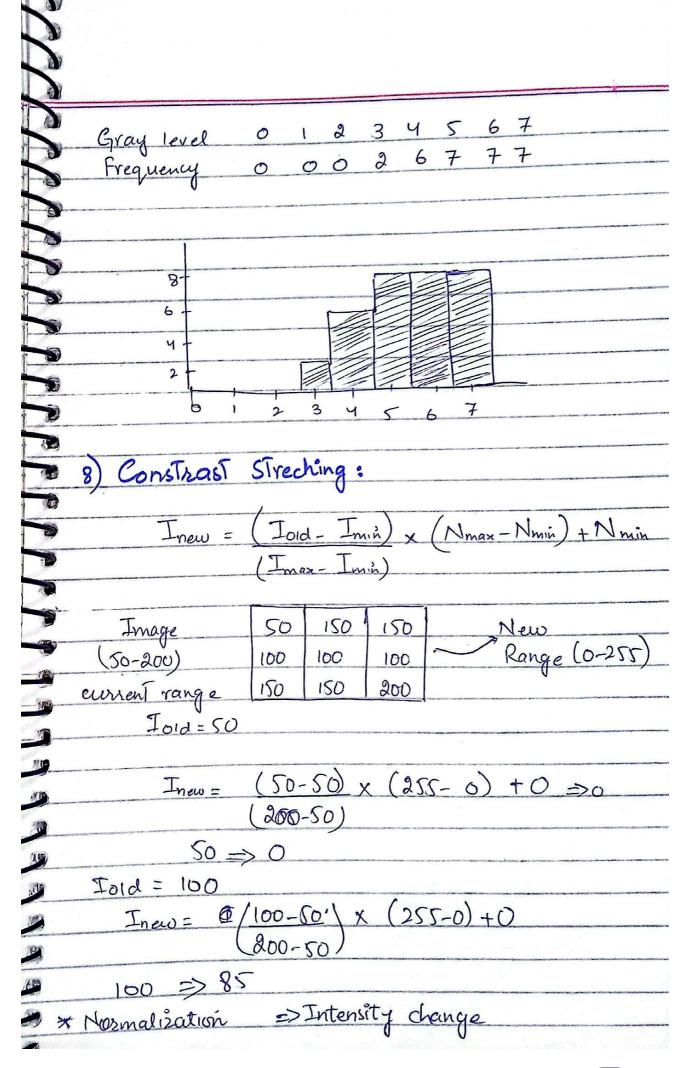


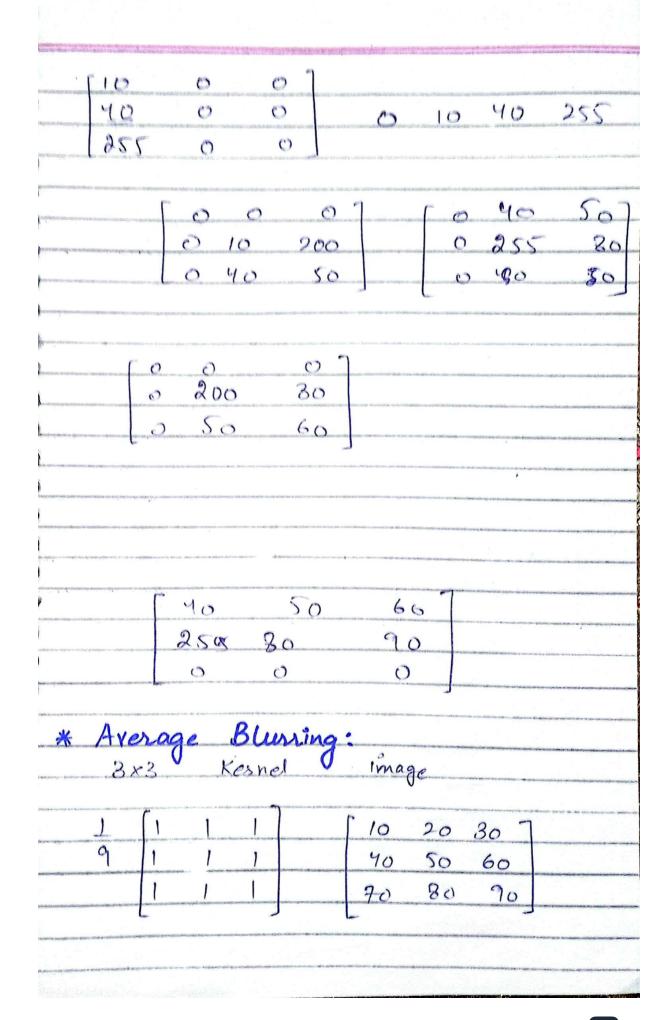
3) Image Rotation: coso -sino? Sino COSIO (x, y)=(3,2), angle= 0 = 90° $x' = \chi \cos \theta - y \sin \theta$ y' = 2 sinco + y coso angles after x = +2, y = 3rotation x' = 3 x cos 96-2 sin 90 y' = 35in90 + 2cos90 Use for data augmentation. 4) Negative Image: bright → dark _dask → light I(neg) = 255 - I (orig) R=0, G=25, B=30 255-0= 255 855-25 = 230 255-30=225. * Medical Images * Kidney, lungs etc.



er sum = brequency sum & nk = pixel frequency Gray level 2 3 4 7 Frequency 6 14 0 08 CPF = comulativ Highest Gray value = 5 Breg 23 = 8 = 3 bits [0-7] nK/sum no of pixel (freq nx) Gray level CPF 0 0 0 0 6/35 = 0-24 3 0.24 14/25-0.36 14 0-8 5 \$25 =0.2 5 1.0 1-0 7 100 Ziñal Value CPF*7 5* 0 0 0 0 => redistribution of pictures pixel 2 1-68 5.6 255 Balancing the very bright and dark putures.



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