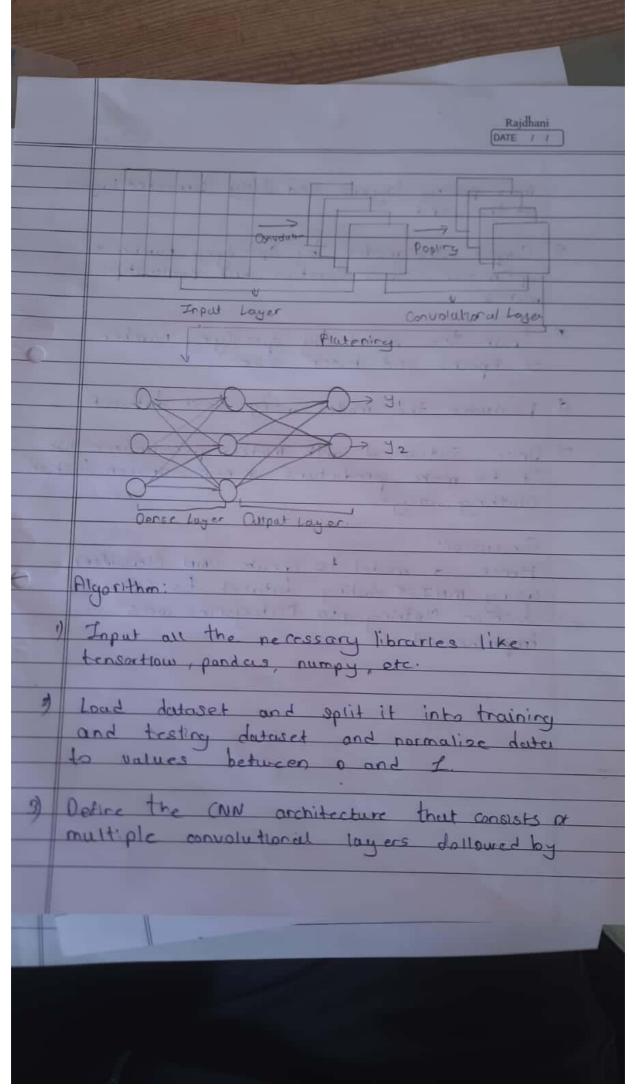


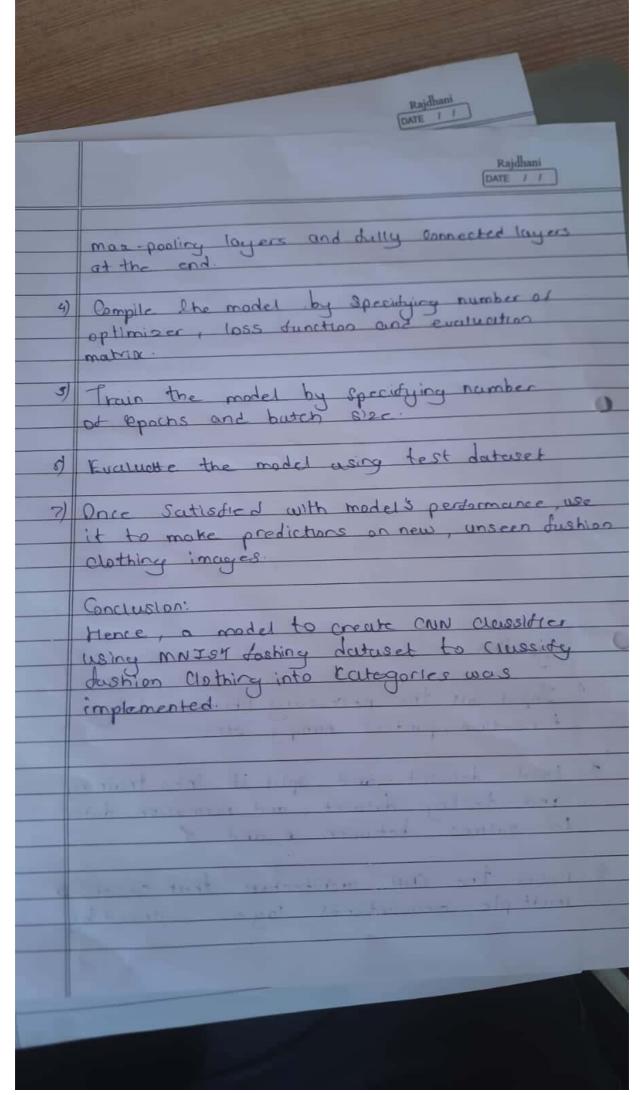
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Rajdhani DATE 1 1 et which applies a set of differs to to extract deatures at different Spatial scales These deatures are then passed through a pooling layer, which reduces the dimensionality of teatures while preserving their important Spatial information Finally, the output of the last pooling Connected layers; which perdorm classification or regression based on learnt deutures. CNN's are typically trained using of the back propogation agaithm along with optimization techniques During training, can learns to automatically extract relevant features from input dute . The network adjust its weight and blased to minimize defined a loss function. Applications of CNN include: Classidication_ Image Detection Segmen tation Larquage Processing 4) Natural

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