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HandWritten Digit Recognition (Week 1 Task)

Literature Survey

(Remarks : It will include all the points which I understood from the IEEE papers... such as methodology, algorithms, advantages, Disadvantages, Applications etc..)

S.NO	Title of Paper	Name of Author	Published Year	Remarks
1	Handwritten Digit Recognition using CNN(Convolutional Neural Network)	Gagan Deep Kaur, Mayank Jain , Muhammad Parvez Quamar, Harshit Gupta	2021	Alg : CNN(Deep learning Algorithm), MNIST Dataset. Advantages: Automatic Extraction of distinct features.
2	Bangla Handwritten Digit Recognition using an Improved Deep CNN Architecture	Chandrika Saha, Rahat Hossain , Md. Mostafijur Rahman	2019	Methodology: D-CNN model. Algorithms: Support Vector Machine(SVM), N-fold cross Validation.

3	Capsule-Based Persian/Arabian Robust Handwritten Digit Recognition using EM Routing	Ali Ghofrani, Rahil Maholin Toroghi	2019	<p>Algorithm: EM(Expectation Maximization)Capsule Network.</p> <p>Advantages: During Implementation, the E-Step and M-Step are very easy for many problems</p> <p>DisAdvantages: Having slow Convergence</p>
4.	A Robust End-to-End system to solve HandWritten Digit string Recognition problem in Real Complex Scenario	Byron Leite Dantas Bezerra	2020	<p>Methodology:</p> <p>Gated-CNN-BGRU, Beijing Method, Otsu's Binarization, Pernambuco method, Shanghai Method, Singapore method, Tebessa Method</p>
5.	Mobile Client-Server Approach for HandWritten Digit Recognition	Hasbi Ash Shiddieqy, Trio Adiono, Infall Syafalni	2019	<p>Algorithms:</p> <p>SVM, KNN, PCA, RBF,</p> <p>Methodology:</p> <p>Client-Server Model</p> <p>Advantages:</p> <p>Reduce Power & time, Speed up time of development & Implementation of</p>

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