**Literature Survey:**

Prepare below table after reading and analysing IEEE Papers:

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| --- | --- | --- | --- | --- |
| **Sr. No** | **Title of Paper** | **Name of Authors** | **Published Year** | **Remarks** |
| 1 | Handwritten Digit recognition  Using various Machine Learning Algorithms and Models. | Anchit srivastava, Isha jaggi, Shritali gupta. | 2020  (IJIRCST) | 1.Gathering, examining, and cleaning the data (data exploration) **Methodology** is used.  2.**Algo:** CNN,SVM, HDR,AI,DL  3**.Adv**:LesserComplexity,More efficiency and Accuracy.  4.**Disadv**:Time Complexity  5.**Applications**:Data entry, postal Mail sorting, Bank Check Processing. |
| 2 | Handwritten Digit Recognition Using OPENCV And CNN | 1.Swetha,2.Hithaishi,3N.L. Tejaswini,4P.Parthasaradhi, 5P.V.VenkateswaraRao  (1,2,3,4Student,5Associate Professor) | 2021  (IJCRT) | 1.The goal is to create a model to predict the digit in an image  •.Gathering, examining, and cleaning the data (data exploration) • Choose a model and measure the evaluation (Neural network) • Training • Evaluate the models on a metric and compare them to the benchmark. • Compare different Machine Learning algorithms based on their accuracy of predicting the digit. **Methodology** is used.  2.**Algo**: CNN:KNN, Random Forest Classifier, SVM, Logistic Regression  • Reducing the number of variables and gives relevant accuracy.  some libraries like Keras, Matplotlib, CV2, TensorFlow to get the maximum accuracy.  4.**Disadv**:Much complex, Time Consuming.  5.**Application**: predict the digit in an image |
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**(Remarks: It will include all the points that you understand from the paper..such as methodology, algorithms, advantages, disadvantages, applications, etc.)**

**Recent 3 years…..**