Digit Recognition using Deep Learning Algorithms

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Abstract: *The reliance of human over machine were never this high. Nowadays machines are used in everyone's daily life as a part of it. From recognition objects in photographs to adding sounds automatically. Likewise, handwritten recognition is a vast area for research and development with unlimited no of possibilities that could be attained. It is the ability of computer to recognise different input taken by it. In this paper we have performed recognition with the help of MNIST dataset. Our main job is to compare the accuracy with the execution time to get best possible result.*

Keywords: Sign Language, Deep Learning , MNIST dataset.

REFERENCES

[1]. "Handwriting recognition": https : //en.wikipedia.org/wiki/Handwritingrecognition

[2]. "Handwritten Digit Recognition using Machine Learning Algorithms", S M Shamim, Mohammad Badrul Alam Miah, Angona Sarker, Masud Rana & Abdullah Al Jobair "Advancements in Image Classification using Convolutional Neural Network" by Farhana Sultana, Abu Sufian & Paramartha Dutta.

[3]. "How Do Convolutional Layers Work in Deep Learning Neural Networks": https: //machinelearningmastery .com/convolutional −layers − f or − deep − learning − neural − networks/