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## Hand Gesture Recognition Using Machine Learning with Convolutional Neural Network (CNN)

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Abstract: In this era of technology, the most valued asset can be 'Data'. With the increasing number of data, the value of it keeps increasing. We have started to store and manipulate data to achieve some particular goals or business requirements but with the increasing number of data, storing it has become a complex and tedious task. With the use of some advanced technologies like Hadoop, we simplified the data storing process but due to rapid development and excessive use of AI and ML tons of data is collected. For this, the paper provides us with an effective solution to store data over the cloud with numerous benefits over traditional data storage methods by developing a data lake using AWS. Furthermore, the functionalities of Data Lake include managing and storing sorted as well as unsorted data, gathering various analytics from the data lake as per business requirements.

**Keywords:** Data Storage Techniques, Data Lake, AWS Data Storage, AWS Solutions, Amazon S3, etc.

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