A

Major Project Report

on

DETECTING FILE REPLICATION IN THE CLOUD

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

in partial fulfilment of the requirements for the award of Degree of

Bachelor of Technology

in

Computer Science & Engineering

by

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2022-2023

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled " **DETECTING FILE REPLICATION IN THE CLOUD**" is submitted by **V.CHANDRALEKHA (196Y1A05A9),T.MILANCY RANI (196Y1A05A2),S.AKSHAYA (196Y1A0592),CH.SUCHITHA (186Y1A0520)** in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

Now-a-days all are using the cloud server to store their data and provides many features suitable for the users or customers. We have cloud servers like Google Cloud Platform,Microsoft Azure etc. For cloud also sometimes there will be storage problem to store the data of the users. We need the security to the data stored in the cloud. For hospitals and some private companies the data should be secure and confidential. So we need both storage and security to our data stored in the cloud.

Authorized Client-Side Deduplication Using CP-ABE here proposed which provides the security and provides Deduplication in the cloud. Proposed System provides the Security tothe data in the encryption format. In this system we used the CP-ABE algorithm to encrypt thedata of the users upload in the cloud with the users attributes. It also checks the Deduplication of file in the cloud. Deduplication is where the server prevent uploading the file it is already existed. This Deduplication helps in free the storage in the cloud. The proposed scheme satisfies the security requirement and has advantages over existing schemes. The proposed authorized deduplication scheme provides an adequate trade-off between storage space efficiency and security in cloud environment and it very suitable for the hybrid cloud model.

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