

SYNOPSIS OF THE PROJECT

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Shared folder/git repository details	https://github.com/gaya3snair/Main_project.git
Project Title	Cloud Computing Sensitive Data Protection using Multi-Layered Approach
<p>Description of Project: Cloud computing is a modern technology and it gives access to the network upon request to required computing resources(network, servers, storage, applications and services).This computing model depends on data traffic and controlled by a third party. Despite the expected savings in infrastructure and the development cost for business flexibility, security is still the biggest challenge for the implementation of computing for many service-based companies. This project discusses challenges related to data security and privacy implementation in cloud computing environment. A framework is proposed to accommodate the protection of sensitive data in cloud computing environment. This frame work consists of three levels authorization, security and privacy and saves and verifies level.The data stored in the cloud is encrypted and stored in a safe space.A method named Public Auditing is done to check the integrity of data with the help of a third party auditor. The main objective is to discuss the framework implementation and its architecture verification. It implements a verified framework to protect private and sensitive data in cloud environment.</p> <p>Modules: 1.USER MANAGEMENT 2.CLOUD STORAGE 3.ENCRYPTION and DECRYPTION 4.USER AUTHORIZATION 5.DATA MANAGEMENT</p>	
Front end and Backend Tools	Front end:PYTHON,DJANGO Backend :SQLITE

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