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**Gokaraju Rangaraju Institute of Engineering and Technology**

Department of Computer Science and Engineering

**AUTOMATION OF AMAZON S3 STORAGE USING PYTHON AND BOTO3 SDK**

**ABSTRACT**

Amazon Web Services(AWS) is one of the most reliable, efficient, scalable cloud computing platforms available to modern developers today which offers variety of services to users.AWS provides a scalable object storage service to developers called AWS S3(Simple Storage Service). This S3 service offers incredible durability and scalability. This helps developers store their project code, configuration files and retrieve any quantity of data from the internet at anytime. It also offers high security and rapid data recovery also.

The main drawback of using S3 in AWS is everything should be done manually and it is also a tiresome process. To create or delete the data bucket we need to manually go over all files and handle the process. This might lead to more human errors. The solution to this is by automating AWS services using Python and Boto3 (SDK for AWS) which helps us to create powerful scripts that help developers automatically do all the required tasks without any manual functioning. This helps save time and also rapid data recovery and storage.

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