DATA SECURITY AND PRIVACY

PROJECT

Introduction:

Our objective in this project is to build, put into application, and analyze a safe Database-as-a-Service system that resolves security issues related to cloud-based database solutions. The simple process of outsourcing database administration gives reason for worries concerning data security in the age of cloud computing. The threat of malevolent insiders at the cloud service provider acquiring stored data without the necessary authorization is an important issue nowadays.

The encryption of data before passing on it to the database is a recommended strategy for lowering this security risk. Encryption increases data security, as the data is now encrypted, there are now complications when checking the database. Achieving a balance between database use and data security is the main objective.

Our project primarily focuses on creating a basic database structure with healthcare data. The database will be implemented using a SQL database and has a single table with fields for first and last name, gender, age, height, weight, and health history.

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