Universidad del **Rosario** | Escuela de Ingeniería, Ciencia y Tecnología | **MACC** Matemáticas Aplicadas y Ciencias de la Computación | **HINNT** Hub de INNovación y Transferencia

Web application that encrypts login data on the client side symmetrically and obfuscates the key

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Introduction

This project consists in developing a web application where the login information is encrypted on the client-side to prevent a leak of information in the data traffic by using symmetric encryption with obfuscation of the key.

Explanation of the project

We develop the application using the flask box framework, with a local database using Flask SQLalchemy to store the username and password which is hashed using SHA256.

Explanation of the project

❖ The front end was developed in html and css.

❖ We used JS libraries for the symmetric encryption on the client side and deployed it from Javascript.

Software development

❖ Demo

Thanks

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