Dynamic Authentication Protocol to Improve Cyber Security Utilizing Near Field Communication

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The goal of my project is to develop a hypothetical mass consumer platform of which is easily integratable with existing technologies and use centric allowing for easy, secure management of user credentials and personal security information and produce a working model demonstration of the platform. The platform is being developed solely in the Python 2.7 computing language utilizing any needed libraries to operate on a Raspberry PI 3 Model B for testing and development purposes. The working model will utilize active authentication to approve user access request by means of an NFC enabled device or passive NFC medium. With each successful login a new passkey replaces it's predecessor

Awards Won:

Qatar Foundation, Research &amp Development: Award of $1,000