



Hackim 2019 WRITE-UP

Misc - mlAuth



CHALLENGE DESCRIPTION

* Fool that mlAuth*

SOLUTION

Files:

https://drive.google.com/file/d/1QvZBVns4ei1fqnhDe2uEBKiaEeRkdVwl/view?usp=sharing

This challenge is about fooling the authentication system of the organization which is using a machine learning, Every employee has a profile represented by a string on 784 hex values, Your goal here is to fake a profile that will trick the 99.9% accuracy to get access.

After understanding the algorithm it seems like the hex values in profile affect the accuracy, therefore increasing the value in the profile could change the accuracy drastically.

After replace all the x00 to x90 in profile we managed to get a higher authenticity, After that we used the curl command as shown in the source code above to get the flag.

hackim19{wh0_kn3w_ml_w0uld_61v3_y0u_1337_fl465}