

Cognizance recruitment CYS domain

Name: Mithilesh Kumar U S [CH.EN.U4CCE23020]

- The algorithm used to solve the task given. (Explanation)
- The Password to Unlock the PDF (Type the password in the report as "password is:_____")
- The **Secret code** present in the Cyber Threat Advanced Machine Learning Algorithm PDF.
- Note: Make a Document and Upload it in the GitHub directory.

1. Cipher code and morse code are the two hints given to us.

First converted the morse code into a text format by using [Morse code translator](#) and got the key value as – S3CR3TK3Y@123456 using

Next for the cipher code algorithm, went through the cryptography links given in the cognizance website and learned about the decrypting technics such as AES, DES, RSA and SHA. Then started to learn the algorithm of each. Then found a program from [online sources](#) for the AES and tried to decrypt. From the key value found using the morse code I assumed that it is a 128 bit size. By decrypting it using the AES technic with the key - S3CR3TK3Y@123456 and in the plain-text format I got the password for the pdf file.

2. Password is : algorithmissafe

3. Secret Code: CogML24@2024