Certificate authorities ensure the security and authenticity of online communication. They issue digital certificates to verify the identity of individuals and websites for secure data exchange. Websites are verified by CAs through certificate issuance which helps to confirm that you are connecting to a legit website. Also, in terms of encryption, these certificates encrypt transmitted data to keep sensitive information private. These processes instill confidence with users and generally happen in the background with trusted third parties to keep even those less savvy safe. CAs can also issue digital certificates for signing documents. This aids in the authenticity and integrity of software and emails. Certificate authorities are a crucial part of online security but their effectiveness is only as good as peoples’ trust in them. A black screen with white text

Description automatically generated