A screenshot of a computer

AI-generated content may be incorrect.  
  
Certificate Authorities (CAs) play a crucial role in digital security by issuing digital certificates that verify the authenticity of organizations, websites, and/or individuals. The reason for CA usage is the validation of the identity of the certificate holder. Ensuring that users are interacting with legitimate entities online. In terms of encryption, it enables secure communication by issuing SSL/TLS certificates. Certificates are issued by trusted CAs that are recognized by browsers and systems, providing users with confidence in the security of the website or service.   
The advantages of CA are third- party CA handle certificate issuance, renewal, and renovation, simplifying the process for developers and organizations. Another advantage would be that many industries require certificates from accredited CAs to meet compliance or standards.