

File Encryption and Decryption

Aman : 23BAI70419

Shruti : 23BAI70393

Kavita : 23BAI70421

Harsh : 23BAI70510

Why do we need Encryption ?

- **Beyond Standard Encryption**
- **Personalized keys for user-controlled security. Supports all file types for flexibility.**
- **Future plans for AES integration and GUI development.**
- **Live demo prepared to showcase practicality.**

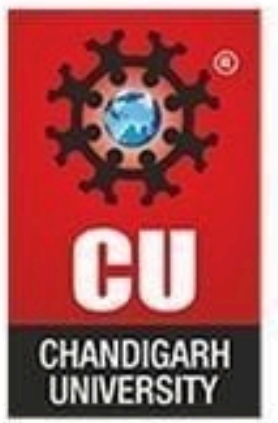
Isn't it already there ?

- Personalized encryption key for enhanced security.
- User-exclusive control over the encryption key.
- Unique, tailored, and user-centric encryption approach.
- More secure than generic or pre-defined encryption methods.

Cross-Platform Compatibility

The encryptor works on any device with a web browser, whether it's Windows, macOS, Linux, or mobile devices, ensuring accessibility without platform restrictions.

Client-Side Encryption

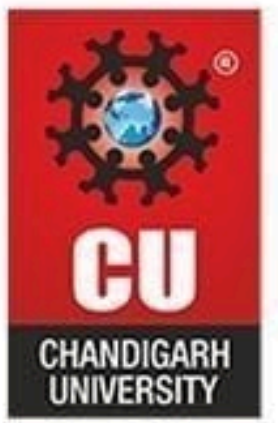


All encryption and decryption processes occur locally in the browser using the Web Crypto API, ensuring that sensitive files never leave the user's device unprotected.

Additional advantages

- No Software Installation Required
- User-Friendly UI
- Privacy-Focused
- Supports Multiple File Types
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Potential Growth and Scalability



The platform can scale by integrating cloud storage, enabling multi-user authentication, and supporting advanced encryption like RSA. Additional features like batch encryption, secure file sharing, and mobile optimization can enhance its functionality over time.

Project snapshots -

File Encryptor & Decryptor

Choose File

Enter your encryption key

Encrypt

Decrypt

Conclusion:

this platform-independent file encryptor and decryptor offers a secure, efficient, and user-friendly solution for protecting sensitive files. With client-side encryption, cross-platform accessibility, and scalability for future enhancements, it ensures data privacy while remaining convenient and adaptable to evolving security needs.

Thanks!