Task-3 Report

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Domain: Cyber Security

Task Name: Secure File Sharing System

Date: 11 September, 2025

TOOLS USED

- Python Flask
- Git & Github
- PyCryptodome
- VS Code
- Postman

OBJECTIVE

To build a secure file sharing system where you can upload and download encrypted files.

HOW TO RUN?

git clone https://github.com/yuv4m/FUTURE_CS_03.git
cd FUTURE_CS_03
pip install requirements.txt
python app.py

Run these commands in the Windows PowerShell or Command Prompt.

Go to http://localhost:8080

There you can upload any file to encrypt and then download it.

LEARNING AND KEY OUTCOMES

- Handling secure files
- AES Implementation
- Flask routing
- OWASP principles

CONCLUSION

This task made me familiar with handling encrypted files and basic knowledge of cryptography. This task also involves the AES-256 algorithm.
I also learned error handling and event logging. I could practice real-world application security and secure file sharing by the help of this task