



ELiteTEch Intern

Learn -- Innovate -- Thrive

Internship Program



Tech Intern



Cyber Security

TASK INSTRUCTION

- MUST ATTEMPT FOUR OUT OF FOUR TASKS
- SUBMIT BEFORE DEADLINE
- USE INTERNET RESOURCES
- FOLLOW GROUP UPDATES

TASK

1



FILE INTEGRITY CHECKER

- BUILD A TOOL TO MONITOR CHANGES IN FILES BY CALCULATING AND COMPARING HASH VALUES.
- DELIVERABLE: A PYTHON SCRIPT USING LIBRARIES LIKE HASHLIB TO ENSURE FILE INTEGRITY.

COMPLETION CERTIFICATE WILL BE
ISSUED AFTER THE END OF THE
INTERNSHIP



TASK

2



WEB APPLICATION VULNERABILITY SCANNER

- DEVELOP A TOOL TO IDENTIFY COMMON VULNERABILITIES (E.G., SQL INJECTION, XSS) IN WEB APPLICATIONS.
- DELIVERABLE: A PYTHON-BASED SCANNER USING LIBRARIES LIKE REQUESTS AND BEAUTIFULSOUP.

COMPLETION CERTIFICATE WILL BE
ISSUED AFTER THE END OF THE
INTERNSHIP



TASK

3



PENETRATION TESTING TOOLKIT

- BUILD A TOOLKIT WITH MULTIPLE MODULES (E.G., PORT SCANNER, BRUTE-FORCER) FOR PENETRATION TESTING.
- DELIVERABLE: A PYTHON-BASED MODULAR TOOLKIT WITH DETAILED DOCUMENTATION

COMPLETION CERTIFICATE WILL BE
ISSUED AFTER THE END OF THE
INTERNSHIP



TASK

4

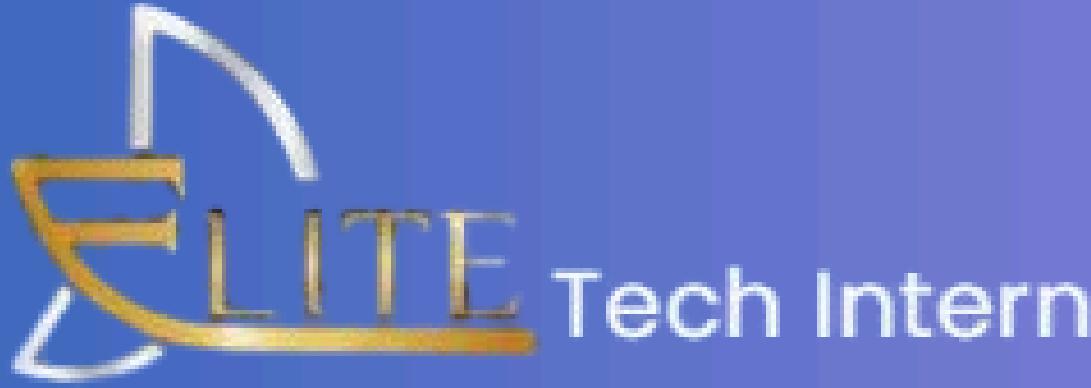


ADVANCED ENCRYPTION TOOL

- BUILD A TOOL TO ENCRYPT AND DECRYPT FILES USING ADVANCED ALGORITHMS LIKE AES-256.
- DELIVERABLE: A ROBUST ENCRYPTION APPLICATION WITH A USER-FRIENDLY INTERFACE.

COMPLETION CERTIFICATE WILL BE
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INTERNSHIP





INSTRUCTION

- STORE ALL YOUR WORK-RELATED CODE AND FILES IN A GITHUB REPOSITORY.
- MAINTAIN PROPER COMMENTING IN YOUR CODE FOR BETTER UNDERSTANDING AND READABILITY.
- USE RESOURCES LIKE YOUTUBE, GOOGLE, AND CHATGPT TO HELP YOU COMPLETE TASKS EFFICIENTLY.
- FOLLOW THE VIDEO GUIDANCE PROVIDED IN WHATSAPP WHILE SUBMITTING YOUR TASKS.
- COMPLETE ALL FOUR TASKS AND SUBMIT THEM WITHIN THE DEADLINE WHILE WORKING AT YOUR CONVENIENCE.

ASK US FOR HELP!



**THE PURPOSE OF
THIS INTERNSHIP
IS
TO LEARN AND
GROW**

**PERSONAL
DEVELOPMENT**

**THIS INTERNSHIP
WILL HELP YOU TO
ENHANCE YOUR
EMPLOYABILITY
PROSPECTS AND
RAISE YOUR
CONFIDENCE.**

**WE DON'T WANT
TO DICTATE
YOU. IT IS UP TO
YOU TO SEEK
GUIDANCE.**

**THE TASKS GIVEN
MAY SEEM VERY
EASY OR VERY
DIFFICULT. WE
EXPECT THAT YOU
GIVE PROFESSIONAL
DUE REGARD TO THE
TASKS.**

Thank
You