



CODTECH

INTERNSHIP

TASKS



SOFTWARE DEVELOPMENT



NOTE:

- **MUST ATTEMPT FOUR OUT
FOUR TASKS**
- **SUBMIT BEFORE DEADLINE**

- **USE INTERNET RESOURCES**

- **FOLLOW GROUP UPDATES**

COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .

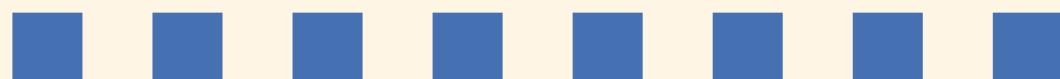
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TASK -1



STATIC WEBSITE FOR PORTFOLIO

INSTRUCTIONS:



- DEVELOP A STATIC WEBSITE FOR A DEVELOPER'S PORTFOLIO USING HTML, CSS, AND JAVASCRIPT.

- DELIVERABLE: A RESPONSIVE WEBSITE SHOWCASING A DEVELOPER'S SKILLS AND PROJECTS.

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TASK -2



RESTFUL API DEVELOPMENT

INSTRUCTIONS:



- DESIGN A RESTFUL API FOR A LIBRARY OR INVENTORY SYSTEM, IMPLEMENTING CRUD OPERATIONS.

- DELIVERABLE: API DOCUMENTATION AND CODE WITH FUNCTIONAL ENDPOINTS.

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TASK -3

REAL-TIME
COLLABORATION
TOOL

INSTRUCTIONS:



- DEVELOP A COLLABORATIVE TOOL FOR CODING OR NOTE-TAKING, SIMILAR TO GOOGLE DOCS, USING WEBSOCKET FOR REAL-TIME UPDATES.
- DELIVERABLE: A FULLY FUNCTIONAL COLLABORATIVE PLATFORM WITH MULTI-USER SUPPORT.

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TASK -4



CODE REFACTORING AND PERFORMANCE OPTIMIZATION

INSTRUCTIONS:



■ TAKE AN OPEN-SOURCE PROJECT
AND REFACTOR IT TO IMPROVE
READABILITY AND PERFORMANCE.

■ DELIVERABLE: A REPORT ON
CHANGES MADE AND THEIR IMPACT
ON PERFORMANCE.

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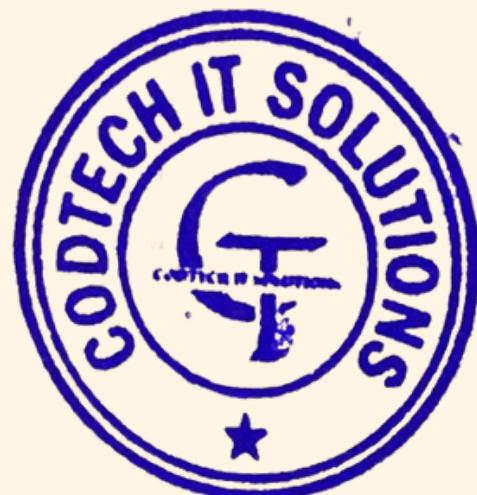
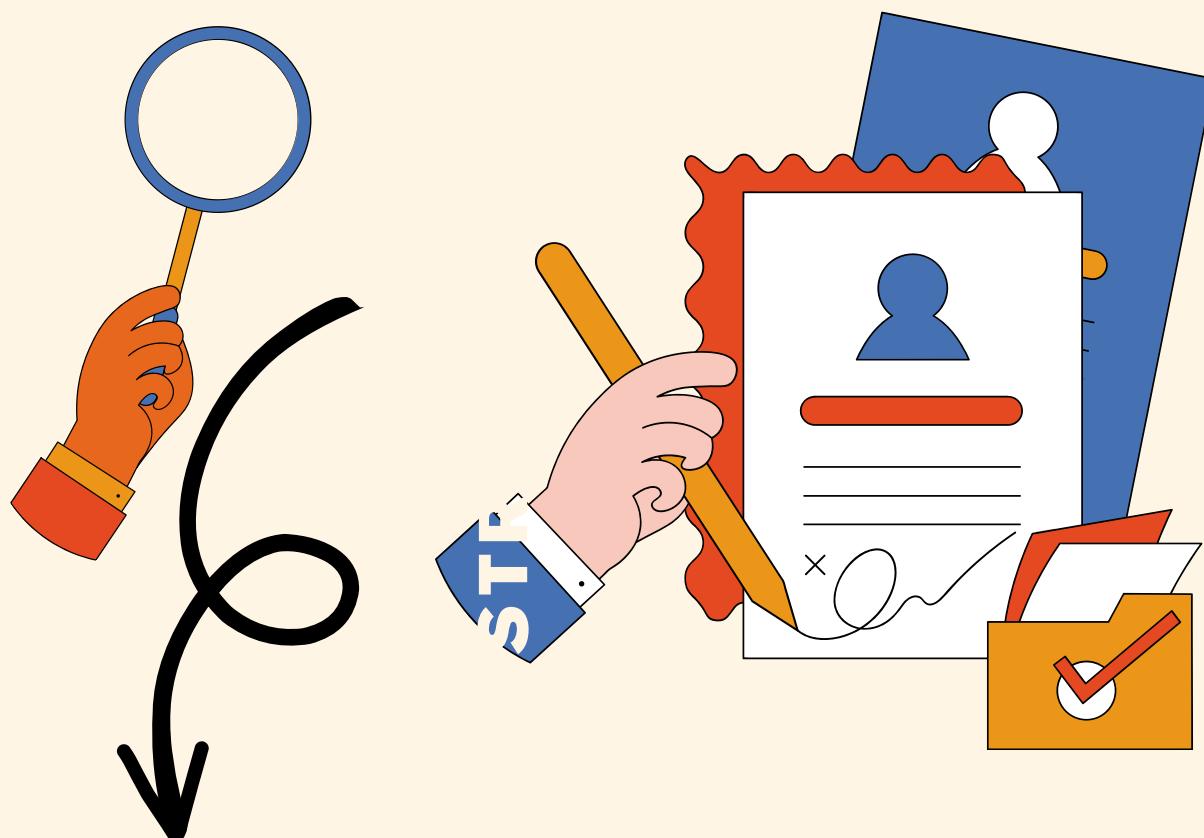
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INSTRUCTIONS

- **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.**



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