



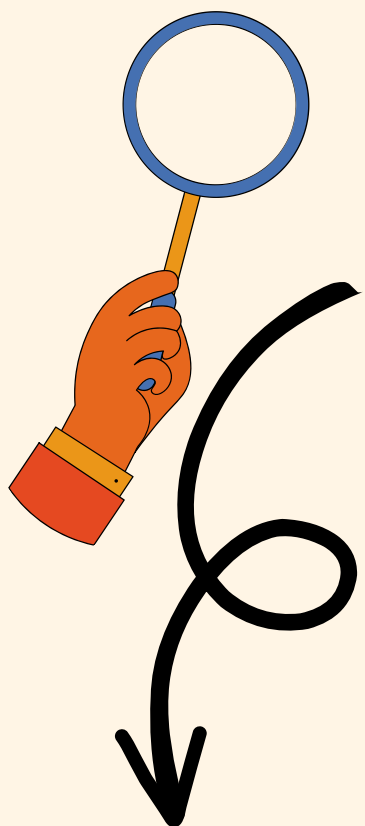
CODTECH

INTERNSHIP





TASKS



SOFTWARE DEVELOPMENT



NOTE:

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

**COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .**

CODTECH



CODTECH

INTERNSHIP

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.

COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .

CODTECH



CODTECH

INTERNSHIP

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.**

**COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .**

CODTECH



CODTECH

INTERNSHIP

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.

COMPLETION CERTIFICATE WILL BE ISSUED ON YOUR INTERNSHIP END DATE .

CODTECH



CODTECH

INTERNSHIP

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.**



**COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .**

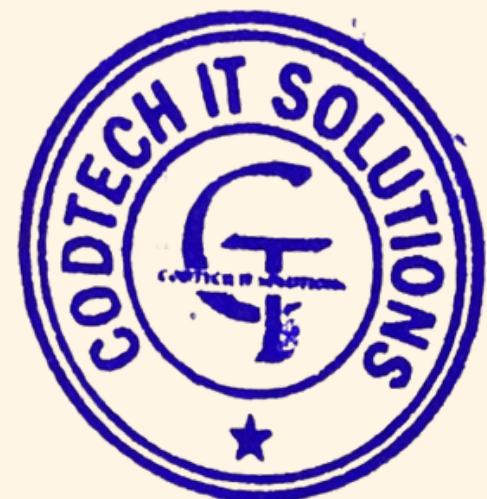
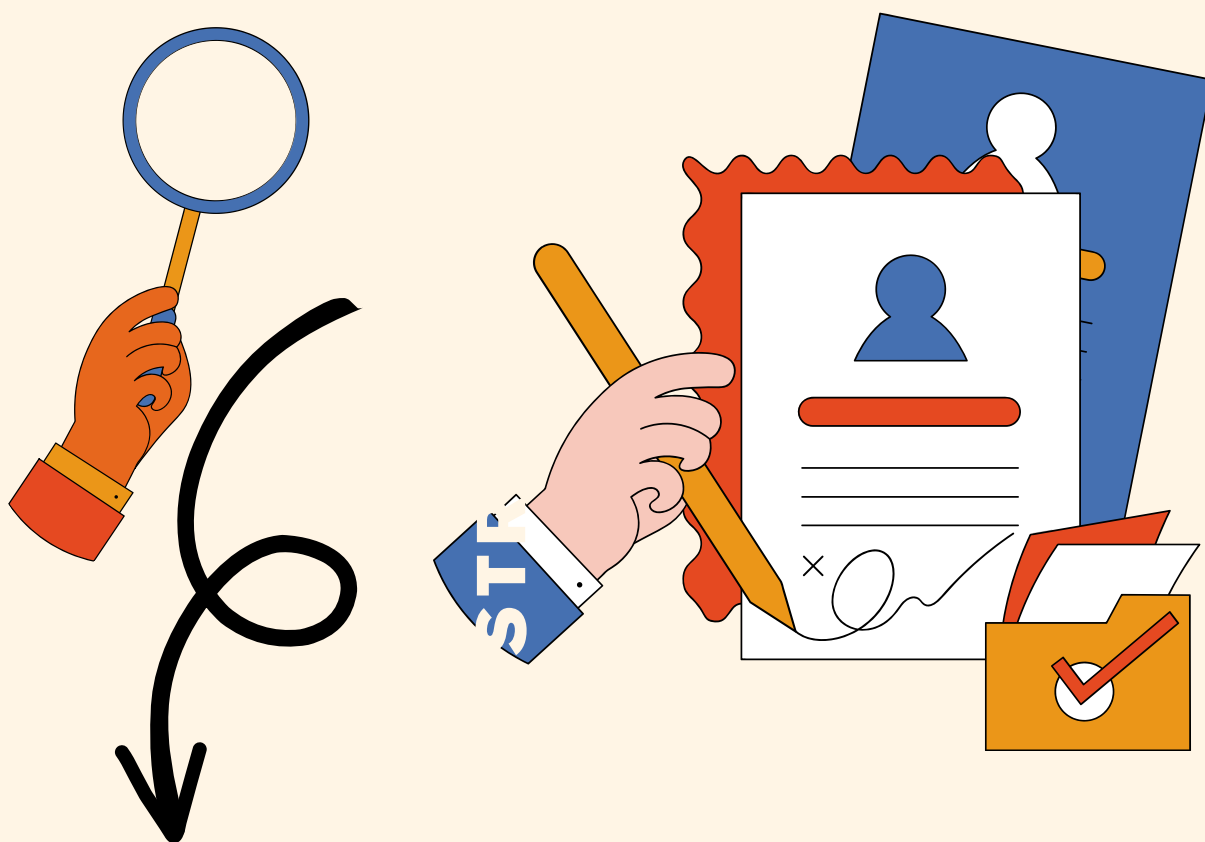
CODTECH



CODTECH

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.**



**COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .**

CODTECH