CODTECH

INTERNSHIP

TASKS

ARTIFICIAL INTELLIGENCE
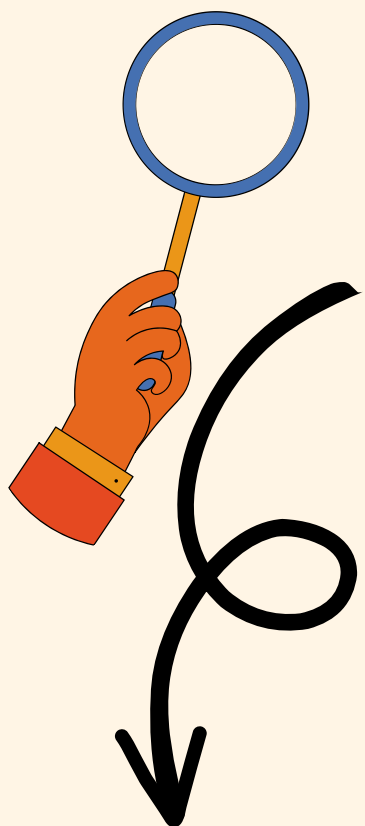
NOTE:

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

COMPLETION CERTFICATE WILL BE ISSUED ON Y0UR INTERNSHIP END DATE .

CODTECH

INTERNSHIP

TASK -1

TEXT SUMMARIZATION TOOL

INSTRUCTIONS:

- CREATE A TOOL THAT SUMMARIZES LENGTHY ARTICLES USING NATURAL LANGUAGE PROCESSING TECHNIQUES.

- DELIVERABLE: A PYTHON SCRIPT SHOWCASING INPUT TEXT AND CONCISE SUMMARIES.

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INTERNSHIP

TASK -2

SPEECH RECOGNITION SYSTEM

INSTRUCTIONS:

- BUILD A BASIC SPEECH-TO-TEXT SYSTEM USING PRE-TRAINED MODELS AND LIBRARIES LIKE SPEECHRECOGNITION OR WAV2VEC.

- DELIVERABLE: A FUNCTIONAL SYSTEM CAPABLE OF TRANSCRIBING SHORT AUDIO CLIP

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TASK -3

NEURAL STYLE TRANSFER

IMPLEMENT A NEURAL STYLE TRANSFER MODEL TO APPLY ARTISTIC STYLES TO PHOTOGRAPHS

DELIVERABLE: A PYTHON SCRIPT OR NOTEBOOK WITH EXAMPLES OF STYLED IMAGES.

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TASK -4

GENERATIVE TEXT MODEL

- CREATE A TEXT GENERATION MODEL USING GPT OR LSTM TO GENERATE COHERENT PARAGRAPHS ON SPECIFIC TOPICS.

- DELIVERABLE: A NOTEBOOK DEMONSTRATING GENERATED TEXT BASED ON USER PROMPTS.

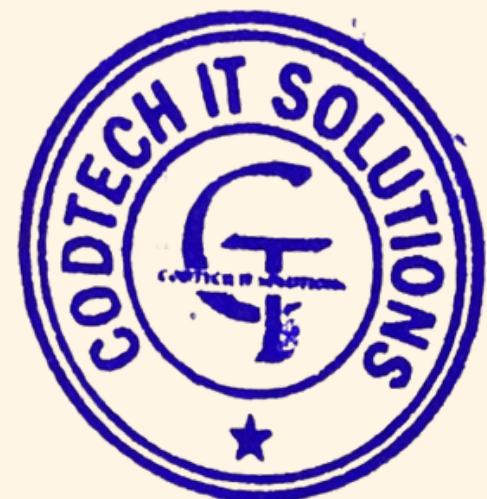COMPLETION CERTFICATE WILL BE ISSUED ON Y0UR INTERNSHIP END DATE .

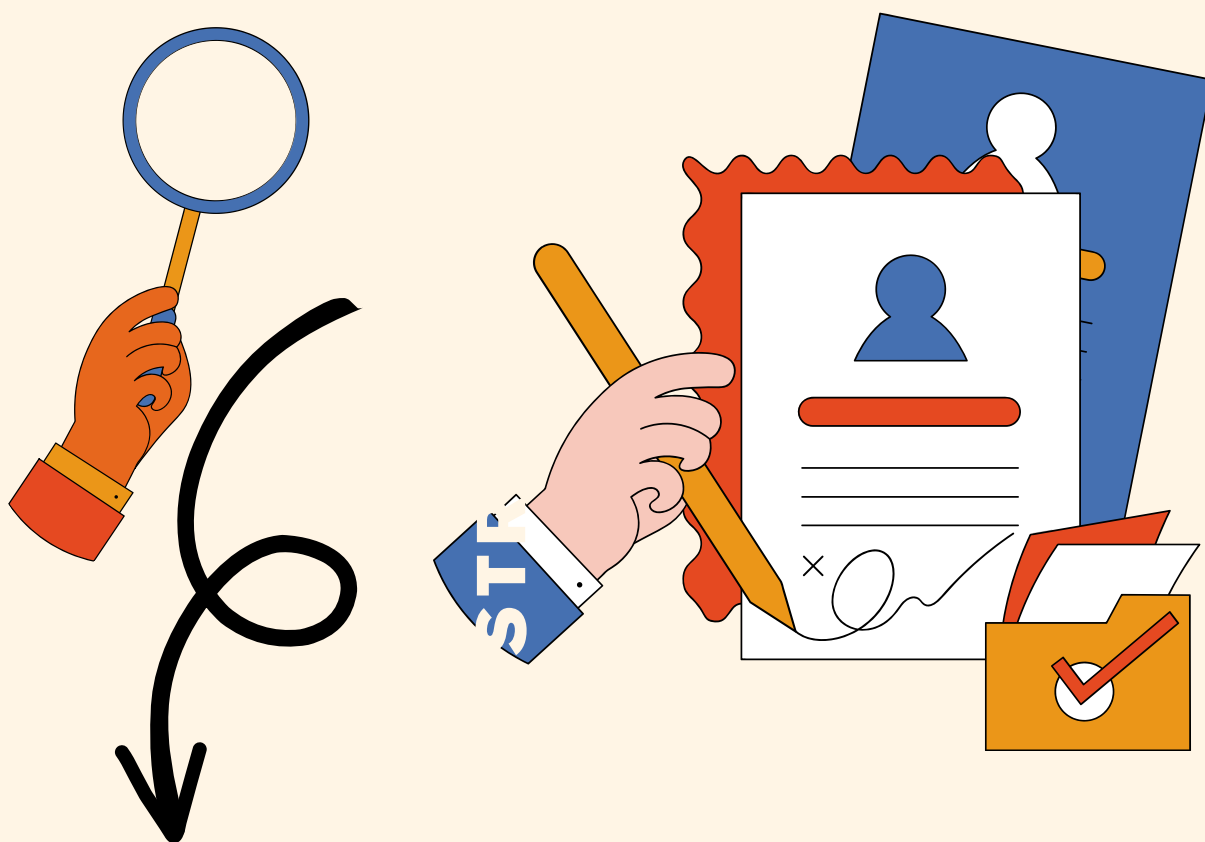CODTECH

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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.

COMPLETION CERTFICATE WILL BE ISSUED ON YOUR INTERNSHIP END DATE .

CODTECH IT SOLUTIONS

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