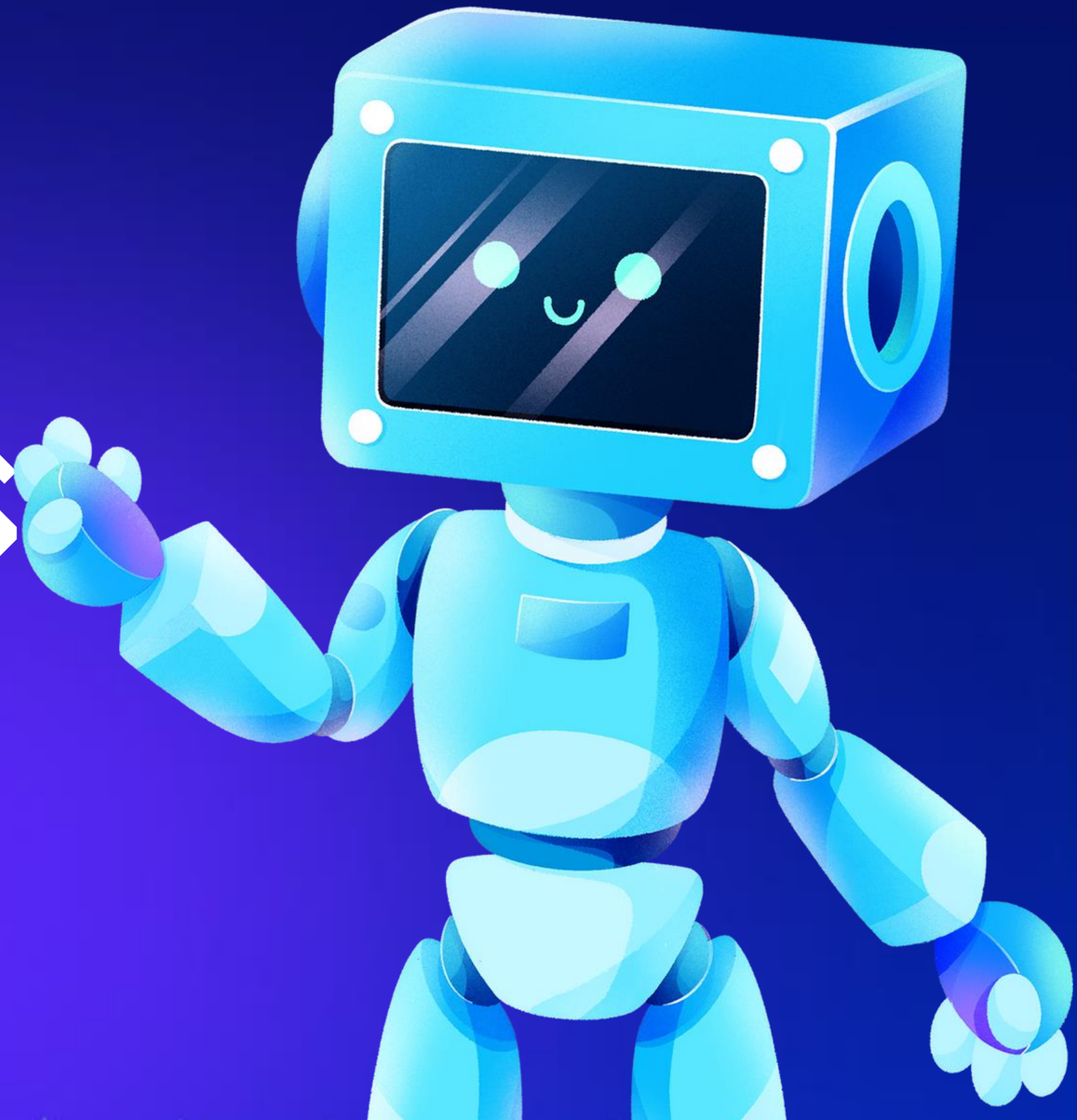
Encryptix
CODE.SECURE.INNOVATE

PYTHON PROGRAMMING

PROJECTs

By Encryptix



INSTRUCTIONS

Update your LinkedIn profiles

For the Python Programming internship, you will need to complete at least 3 tasks for successful completion of the internship.

Maintain a separate GitHub repository(name as **Encryptix**) for all the tasks and share the link of the GitHub repo in the task submission form(it will be given later through email).

You can refer to online resources such as Google Search and read tutorials. Watch videos(For Help).

SUBMISSION

A TASK SUBMISSION FORM will be shared later through email . Till then please continue your task.

A video need to be created to showcase your work, a demo of your effort.

For the Python Programming internship, you will need to complete **at least 3 tasks** for successful completion of the internship.

The video can be hosted on LinkedIn for proof of your work and to build credibility among your peers. You can tag @ENCRYPTIX in such posts.

Please add #encryptix in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship #webdevelopment. for more reach and visibility

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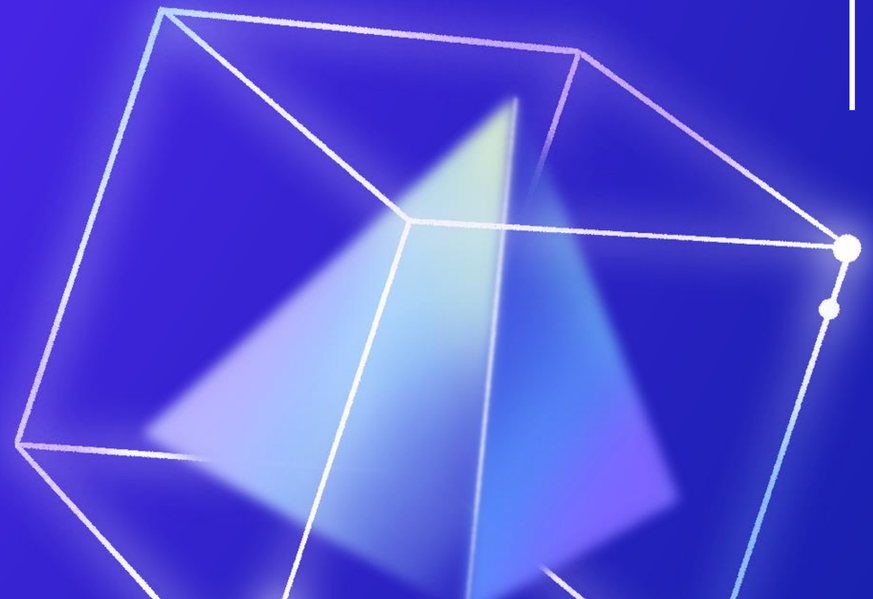
ABOUT THE INTERNSHIP

- Completion Certificate
- Placement Support
- Network Opportunity



Python Programming

For the Python programming internship, you will need to complete at least 3 tasks for successful completion of the internship.

TASK 1

TO-DO LIST

A **To-Do List application** is a useful project that helps users manage and organize their tasks efficiently. This project aims to create a command-line or GUI-based application using Python, allowing users to create, update, and track their to-do lists

TASK 2

CALCULATOR

Design a simple **calculator** with basic arithmetic operations.
Prompt the user to input two numbers and an operation choice.
Perform the calculation and display the result.

TASK 3

PASSWORD GENERATOR

A password generator is a useful tool that generates strong and random passwords for users. This project aims to create a password generator application using Python, allowing users to specify the length and complexity of the password.

User Input: Prompt the user to specify the desired length of the password.
Generate Password: Use a combination of random characters to generate a password of the specified length.
Display the Password: Print the generated password on the screen.

TASK 4

Rock-Paper-Scissors Game

User Input: Prompt the user to choose rock, paper, or scissors.
Computer Selection: Generate a random choice (rock, paper, or scissors) for the computer.
Game Logic: Determine the winner based on the user's choice and the computer's choice.
Rock beats scissors, scissors beat paper, and paper beats rock.
Display Result: Show the user's choice and the computer's choice.
Display the result, whether the user wins, loses, or it's a tie.
Score Tracking (Optional): Keep track of the user's and computer's scores for multiple rounds.
Play Again: Ask the user if they want to play another round.
User Interface: Design a user-friendly interface with clear instructions and feedback.

TASK 5

Contact Book

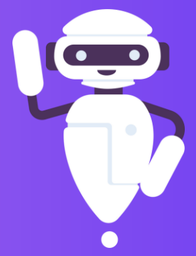
Contact Information: Store name, phone number, email, and address for each contact.
Add Contact: Allow users to add new contacts with their details.
View Contact List: Display a list of all saved contacts with names and phone numbers.
Search Contact: Implement a search function to find contacts by name or phone number.
Update Contact: Enable users to update contact details.
Delete Contact: Provide an option to delete a contact.
User Interface: Design a user-friendly interface for easy interaction.

ASK US FOR HELP!

THE PURPOSE OF THIS INTERNSHIP IS TO LEARN AND GROW.

We have no desire to dictate to you. It is entirely up to you whether you seek guidance or not.

The given tasks may seem very easy or very difficult. We expect you to approach the tasks with professional diligence and give them the attention they deserve."



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