



SaiKet Systems

# Internship Program

## C/C++ Programming



# About Us

- **Saiket Systems** is a prominent technology company renowned for its expertise in the dynamic fields of cloud computing, blockchain, artificial intelligence (AI), and machine learning (ML).
- The company excels in delivering impactful projects and solutions tailored to the evolving needs of businesses.
- **Saiket Systems** offers a diverse array of products and services, including robust cloud computing solutions, innovative blockchain technologies, advanced AI systems, and sophisticated ML algorithms.

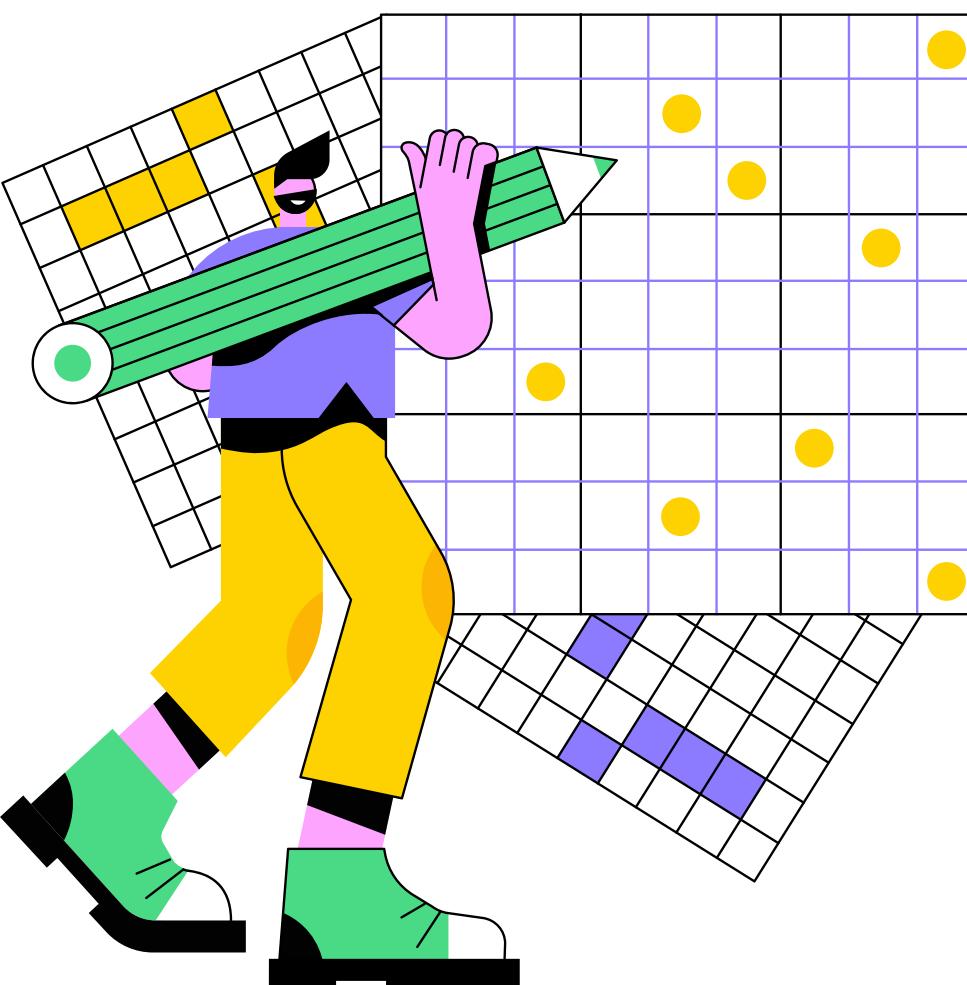
# Instructions

- Update your LinkedIn profile with your achievements, like offer letters or internship certificates from SaiKet Systems. Mention and tag SaiKet Systems in your posts. Use hashtags like #SaiKetSystemsJourney #SaiKetExperience #FutureWithSaiKet to showcase your association.
- Avoid plagiarism and code duplication. These violations can lead to internship termination and future opportunities loss with us.
- Create a video showcasing your completed tasks. Post it on LinkedIn, tag SaiKet Systems, and use hashtags like #SaiKetInnovation #SaiKetAchievements #SaiKetProjects to engage with our community.



# SUBMISSION

- Create a professional video showcasing your internship projects and achievements.
- Host the video on LinkedIn to provide proof of your work and establish credibility among your peers. Consider tagging Saiket Systems in your posts to ensure they are notified of your work.
- A **SUBMISSION FORM** will be shared later. Till then please continue your task and make a separate file of each level.
- When posting the video on LinkedIn, include the following hashtags to maximize visibility and engagement: **#saiketsystems #saiket #saiketsys**. Additionally, depending on your internship domain.
- Note: You have to complete any 4 tasks out of 6.





## Task 1: Create a Simple Calculator with a GUI

### Description:

Develop a basic graphical user interface (GUI) calculator using a library like FLTK or GTK. The calculator should support basic arithmetic operations such as addition, subtraction, multiplication, and division. The GUI should have buttons for digits 0-9, operators (+, -, \*, /), and an output display to show the calculation results.

### Skills:

- Proficiency in C/C++
- Knowledge of GUI programming using libraries like FLTK or GTK
- Understanding of basic arithmetic operations

## Task 2: Build a To-Do List Application

### Description:

Develop a basic to-do list application that allows users to add tasks, mark them as complete, and list all tasks. Users should be able to add tasks with descriptions, mark tasks as done, and remove tasks from the list.

### Skills:

- Proficiency in C/C++
- Data structures and algorithms for managing tasks (e.g., arrays, linked lists)
- User input handling and validation





## Task 3: Create a Simple Text Editor

### Description:

Design a minimal text editor that allows users to create, edit, and save text documents. The text editor should have basic features such as creating new documents, opening existing documents, editing text, and saving changes to files.

### Skills :

- Proficiency in C/C++
- File input/output operations
- Text manipulation and editing algorithms
- User interface design (for basic file operations)

## Task 4: Implement a Tic-Tac-Toe Game

### Description:

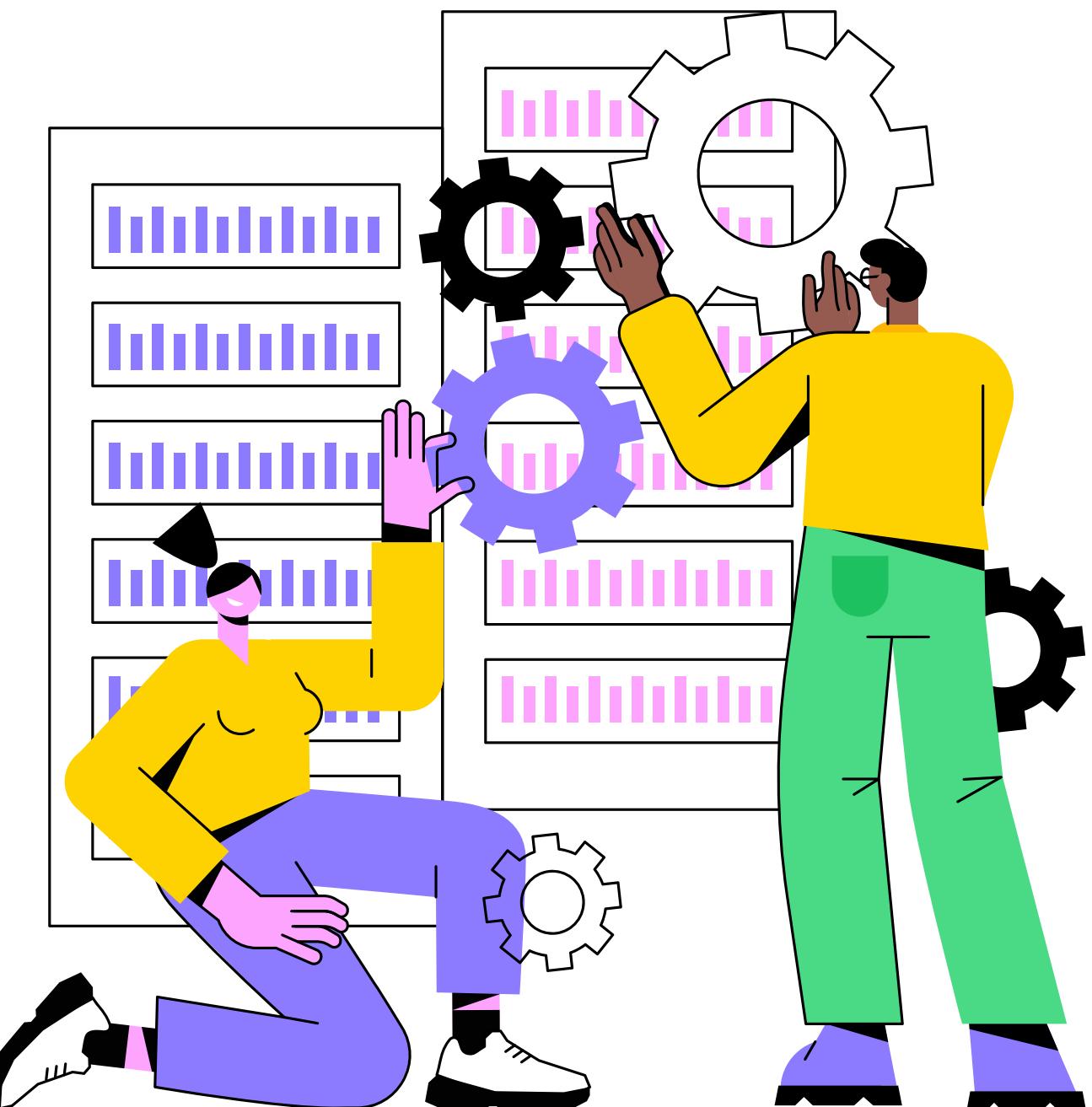
Build a console-based Tic-Tac-Toe game that two players can play. The game should handle user input to place X or O symbols on the board, check for win/lose conditions, and display the game board after each move.

### Skills :

- Proficiency in C/C++
- Logical problem-solving skills
- Console input/output handling
- Game logic implementation



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## Task 5: Develop a Simple Inventory System

### Description:

Design a basic inventory management system that allows users to add, remove, and display items in an inventory. Each item should have attributes like name, quantity, and price. Users should be able to add new items, update existing items, remove items, and view the current inventory status.

### Skills :

- Proficiency in C/C++
- Data structures (e.g., arrays, linked lists) for managing inventory items
- User input handling for inventory operations

## Task 6: Build a Command-Line Address Book

**Description:** Develop a command-line address book program that allows users to add, search, and view contact details. Users should be able to add new contacts with information like name, phone number, and email address. They should also be able to search for contacts by name and view contact details.

### Skills: -

- Proficiency in C/C++
- Data structures for storing contact information
- Command-line interface design
- Search algorithms for finding contacts by name



# How to Contact Us?

To find out more information,  
please contact us

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