SaiKet Systems

Internship Program

Software Development

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.

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MSME
Micro, Small, & Mediam Enterprises
सूक्ष्म, लघु, एवं मध्यम उद्योग
MSME BUSINESS FORUM

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.

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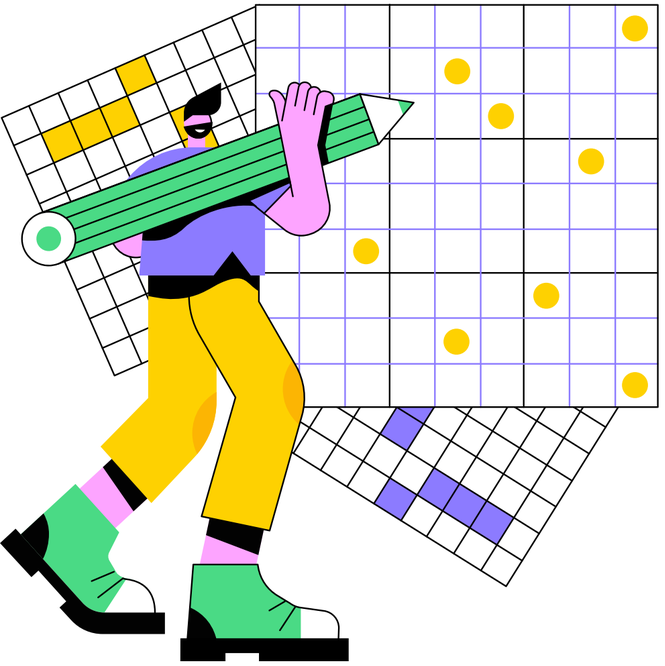
SUBMISSION

- 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.



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Task 1: Loan EMI Calculator

Objective:
Develop a program to calculate the monthly installment (EMI) for a loan using the given formula.

Steps:

- Implement the EMI formula: EMI=P · R · (1+R)N(1+R)N−1EMI = \frac{P \cdot R \cdot (1 + R)^N}{(1 + R)^N - 1}EMI= (1+R)N−1P · R · (1+R)N, where:
  - P: Principal amount.
  - R: Interest rate per month.
  - N: Number of months (loan tenure).
- Create an interactive program that accepts user inputs for principal, interest rate, and loan tenure.
- Calculate the EMI using the formula.
- Display the calculated EMI in a clear and formatted output.
- Test the program with different inputs to ensure accuracy and reliability.

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Task 2: Fetch Data from an API and Display It

Objective:

Create a program that retrieves data from a public API (e.g., weather, joke, or news) and presents it in a user-friendly format.

Steps:

1. Select a public API to fetch data (e.g., weather API, joke API, or news API).
2. Use appropriate libraries or tools (e.g., requests in Python or fetch in JavaScript) to access the API.
3. Parse the fetched data to extract the required information.
4. Display the extracted data in a clear and user-friendly format (e.g., print weather details, jokes, or news headlines).
5. Test the program to ensure it works correctly with different API responses.

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Task 3: Simple Blog App with Local Storage.

Objective:

Develop a blog application that allows users to create, read, and delete posts, with the data stored locally using local storage.

Steps:

1. Create a user interface for the blog app with options to create, view, and delete posts.
2. Use local storage (or an array) to store and retrieve blog posts on the client side.
3. Implement functionality to add new posts and save them in local storage.
4. Display the list of saved posts for users to read.
5. Add functionality to delete selected posts and update the local storage accordingly.
6. Test the application to ensure posts are properly saved, displayed, and deleted as expected.

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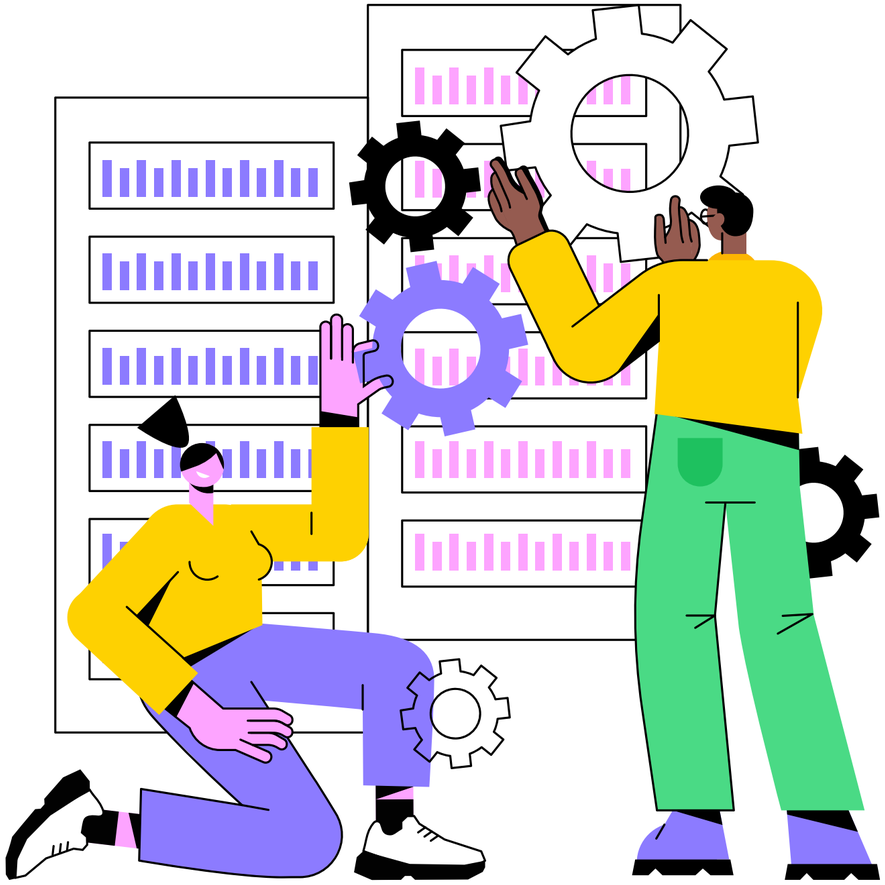
Task 4: Number Guessing Game.

Objective:

Develop a simple game where the computer selects a random number between 1 and 100, and the user must guess it, receiving hints until they guess correctly.

Steps:

1. **Generate a random number between 1 and 100.**
2. **Prompt the user to input their guess.**
3. **Compare the user's guess to the random number and provide hints (e.g., "too high" or "too low").**
4. **Track and display the number of guesses the user has made.**
5. **Continue until the user correctly guesses the number.**
6. **Display a message congratulating the user and showing the total number of guesses.**
7. **Test the game to ensure it works as expected, providing accurate hints and ending after the correct guess.**



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Task 5: Simple Contact Book

Objective:

Develop a contact book application that allows users to store, view, search, and delete their contacts.

Steps:

1. Create an interface for adding a new contact with fields for name, phone number, and email.
2. Store the contacts in a data structure (e.g., an array or object).
3. Implement a feature to display a list of all stored contacts.
4. Allow the user to search for contacts by name and display matching results.
5. Add a feature to delete a contact from the list.
6. Test the application to ensure all features (adding, viewing, searching, and deleting) work as expected.

How to Contact Us?

To find out more information, please contact us

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