



REPORT OUTLINE



About the Company.



Instructionse



Submissions



About Internship



Python Programming



BASIC INFORMATION

RK Technologies is a community of diverse people coming together with similar objectives and ultimate goals.

RK Technologies is all about creating opportunities for leadership development, learning, student engagement, and fostering of shared interests. We develop enriching environments and experiences that promote students' knowledge and wellbeing.



ABOUT US

INSTRUCTIONS

- LinkedIn profile improvement (Mandatory)
- All the tasks are needed to complete for Internship Completion Certificate
- Maintain a separate GitHub repository(name as RKTECH for all the tasks and share the link of the GitHub repo in the task submission form(it will be given later through email).
- PEER EVALUATION watch and comment on at least two tasks videos on LinkedIn posted by fellow interns.

SUBMISSION

- A TASK SUBMISSION FORM will be shared later. Till then please continue your task
- A video need to be created to showcase your work, demo of your effort. The video should start with by your name on first page.
- The video can be hosted on LinkedIn for proof of your work and build credibility among your peers . You can tag RK Technologies in such posts.
- Please add #rktechnologies in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship #webdevelopment, #datascience, #programming etc depending on your internship domain for more reach and visibility.

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INSPIRING WORDS

**Learning is the only thing the
mind never exhausts, never
fears, and never regrets.**

LEONARDO DA VINCI

ABOUT THE INTERNSHIP



COMPLETION
CERTIFICATE



Recommendation
Letter



Acknowledgement
on our platform



Network
Opportunity



LinkedIn
Profile Building



Python Programming TASK LIST

For Python Programming internship you will need to complete
atleast 3 tasks for successful completion of internship.



TASK 1



EMAIL SLICER

Email Slicer is just a simple tool that will take an email address as input and slice it to produce the username and the domain associated with it. The email must be divided into two strings by using '@' as the separator.

For example :

Input:

rktechnologies1922@gmail.com

Output:

Your username is rktechnologies & domain is gmail.com

TASK 2



NUMBER TO WORDS

This Python project can make you spell out the numbers you may define. This Python code will help you support more than a million inputs along with non-positive integers like zero, negative integers, or floating numbers.

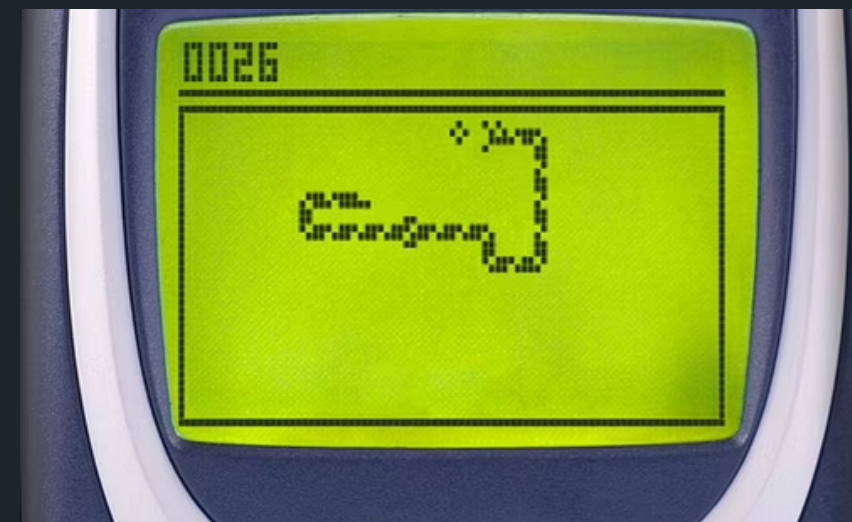


TASK 3



SNAKE GAME

Need to create a classic Snake game using the Turtle graphics library. Turtle simplifies the process of drawing shapes on a virtual canvas. The game features a snake that grows longer as it consumes food, randomly placed on the screen using the 'random' module. The 'time' module helps track the game's progress. Players control the snake's movement, aiming to eat as much food as possible without hitting walls or the snake's own body. The outcome will be an enjoyable and visually pleasing Snake game, perfect for sharing and enjoyment.



TASK 4



NUMBER GUESSING

Users pick a range by setting lower and upper bounds. The system then randomly selects a number within this range. Using a while loop, users make guesses, receiving hints after each try. If a guess is too high, they're told "Try Again! Your guess was too high," and if too small, it's "Try Again! Your guess was too small." Successfully guessing within a set number of attempts earns a congratulatory message; otherwise, a supportive "Better Luck Next Time!" is given. This project is perfect for Python beginners, allowing practice in input handling, random number generation, and conditional statements for an enjoyable and interactive guessing experience.



TASK 5



CONTACT LIST

Need to create a simple Contact List application using PyQt and SQLAlchemy. The application will allow users to add, edit, and manage contacts, storing the information in an SQLite database. While some prior experience with Python and PyQt is beneficial, this project serves as a practical introduction to GUI application development. Through the use of PyQt's SQL support, you'll connect the application seamlessly to the database. The project emphasizes a clean and organized structure with modules and packages. By the end, you'll have a compact yet functional Contact List application that demonstrates your ability to develop GUI applications, manage databases, and utilize PyQt's Model-View architecture for efficient data handling.



ASK US FOR HELP!



THE PURPOSE OF
THIS INTERNSHIP IS
TO LEARN AND GROW

PERSONAL DEVELOPMENT

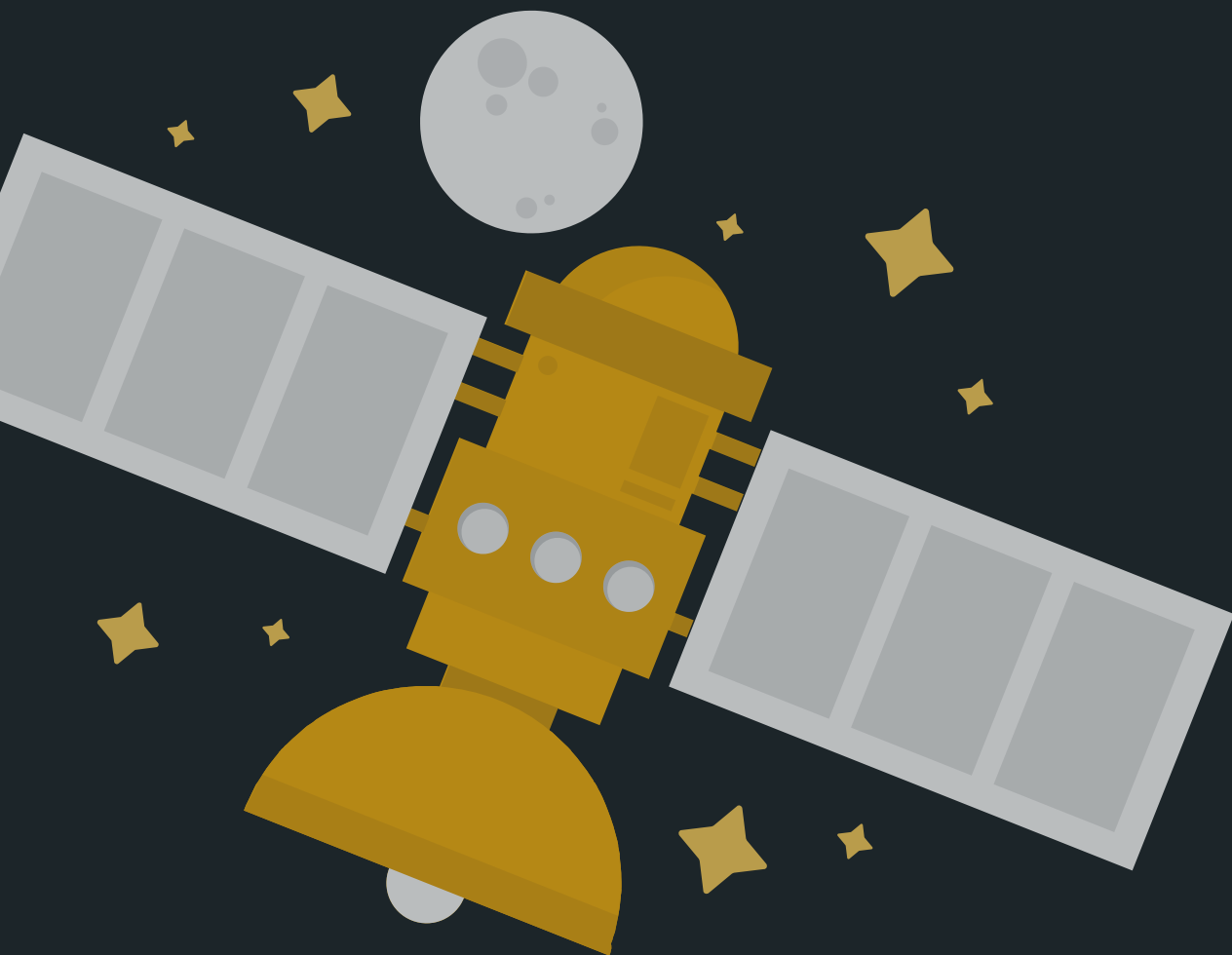
THIS INTERNSHIP
WILL HELP YOU TO
ENHANCE YOUR
EMPLOYABILITY
PROSPECTS AND
RAISE YOUR
CONFIDENCE.



WE DON'T WANT TO
DICTATE YOU. IT IS UP
TO YOU TO SEEK
GUIDANCE.

THE TASKS GIVEN
MAY SEEM VERY EASY
OR VERY DIFFICULT.
WE EXPECT THAT
YOU GIVE
PROFESSIONAL DUE
REGARD TO THE
TASKS.

GET CONNECT WITH US



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WEBSITE

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FACEBOOK

@RK Technologies



LINKEDIN

@RK Technologies