



About me

Welcome to my portfolio! I am Rajneesh Kumar, currently pursuing a BTech in Computer Science and Engineering at IIT Patna. With a keen interest in programming and a passion for solving complex problems, I have experience in several programming languages and Passionate about the endless possibilities of technology and constantly strive to learn and explore new advancements in the field.





Education Background

2018

I completed my 10th grade in 2018 from Sri Gandhi 10+2 High School in Silao, Nalanda, Bihar (BSEB Board).

2020

I completed my 12th standard in 2020 from RPS School, Makhan Pur (Bihar Sharif), Nalanda, Bihar affiliated to CBSE Board.





May 28, 2022

2020-Present

Thrilled to secure admission to **IIT Patna** for Computer Science Engineering after clearing JEE entrance exam in 2020. Currently, I am pursuing my passion for computer science, gaining valuable knowledge through challenging coursework and innovative research opportunities at the esteemed institute.



Skills & Expertise

TECHNICAL SKILL

C/C++

Python

MySQL

ML

Algorithms

Networking

Operating sys

Java

DESIGN SKILL

Photoshop

PrimirePro

Cnava

UI/UX





Career and Work Experience

My work

- Proficient in programming languages such as C/C++, Python, and Java, with experience in MySQL and HTML/CSS.
- Skilled in developing algorithms and data structures, computer architecture, and database management systems.
- Completed multiple ML-related projects, demonstrating experience in machine learning, computer vision, and probability and random processes.
- Competent in competitive programming and familiar with networking basics.
- Proficient in content creation and video/image editing with Premiere Pro and Photoshop.



Project work

Enigma

Looking to keep your messages secure? I have just the solution! With my encryption program, your messages will be safe and sound, and nearly impossible for anyone to access without the correct settings. In fact, it would take over 4.5 trillion trillion years to brute-force the encryption key! So send your messages with confidence, knowing they're in good hands.

[learn more](#)

My-own-Enigma / message.txt in main

<> Edit file

👁 Preview changes

- 1 Hey there, this message is totally encrypted!
- 2 It's like our own secret code language.
- 3 Only the friends with the right clearance can decode
- 4 So don't worry, our secrets are safe!"

My-own-Enigma / encrypted.txt in main

<> Edit file

👁 Preview changes

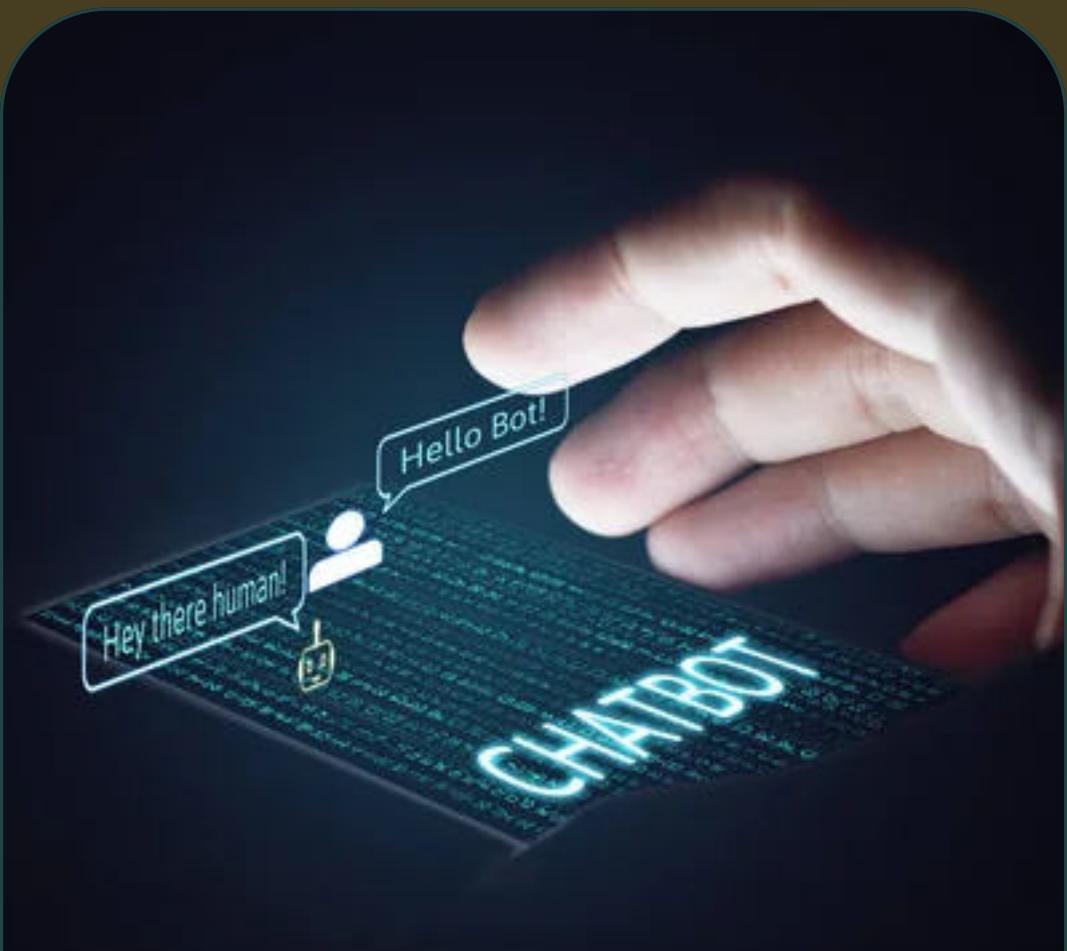
- 1 ,-----,-----,-----,-----,
- 2 ,-----,-----,-----,-----,
- 3 ,-----,-----,-----,-----,
- 4 ,-----,-----,-----,-----,

Project work

— Desktop Assistant

I made a Python program that lets you do stuff like search the web, play music, and open apps, all with your voice! It uses fancy stuff like Google search API and Python libraries like SpeechRecognition and pyttsx3. Plus, I tweaked the speech recognizer to work great in regular old rooms, getting an accuracy of 80%.

[learn more](#)



```
elif 'ok google' in query:  
  
    speak('opening google ')  
    #speak('HI ! finally u called me !!  Good to see you')  
    #ask=takeCommand()  
    results = google_search(  
        'play its ok not to be ok', my_api_key, my_cse_id)  
  
    stdoutOrigin=sys.stdout  
    sys.stdout = open("search_res.txt", "w")  
  
    for result in results:  
        pprint.pprint(results)  
  
    sys.stdout.close()
```

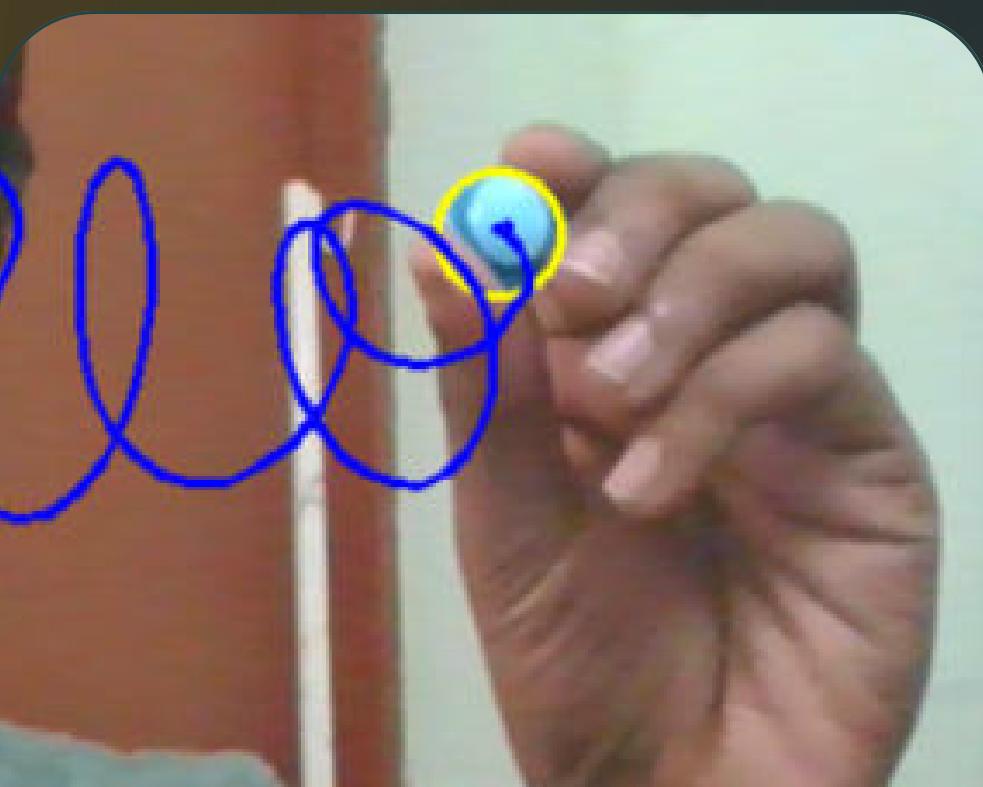
```
55     #google search function  
56     my_api_key = "AIzaSyDqnPdeVN0N547Liacefd0qfTx-zIMQX9A"  
57     my_cse_id = "e5f36f7c25f7c4094"  
58  
59     def google_search(search_term, api_key, cse_id, **kwargs):  
60         service = build("customsearch", "v1", developerKey=  
61                         api_key)  
62         res = service.cse().list(q=search_term, cx=cse_id,  
63                         **kwargs).execute()  
64         return res['items']  
65         _ = system('cls')
```

Project work

AirCanvas

Have you ever wanted to bring your imagination to life just by waving your finger in the air? With Air Canvas, I've made that possible - this app can capture the motion of a colored marker with the camera and draw anything you can dream up. All you need is a colored object at the tip of your finger!

[learn more](#)



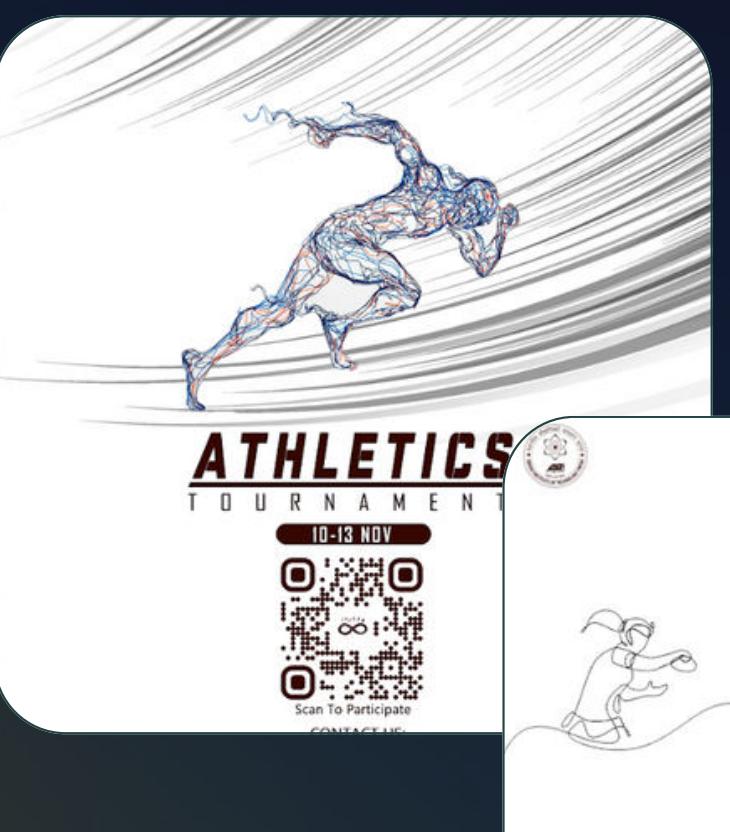
```
# Draw lines of all the colors on the canvas
points = [bpoints, gpoints, rpoints, ypoints]
for i in range(len(points)):
    for j in range(len(points[i])):
        for k in range(1, len(points[i][j])):
```

Position of Responsibilities

In addition to my academic work, I love being involved in various societies and extracurricular activities at college. Currently, I have the privilege of serving as the **Coordinator of the Creative and Design Committee at Infinito** - the sports fest of IIT Patna. My role involves creating social media posts and designing engaging content. I also enjoy being an active member of the Events and Planning Committee and am thrilled with our successful organization of Infinito 2022.



Some of My Design Work (Co-curricular Activities)

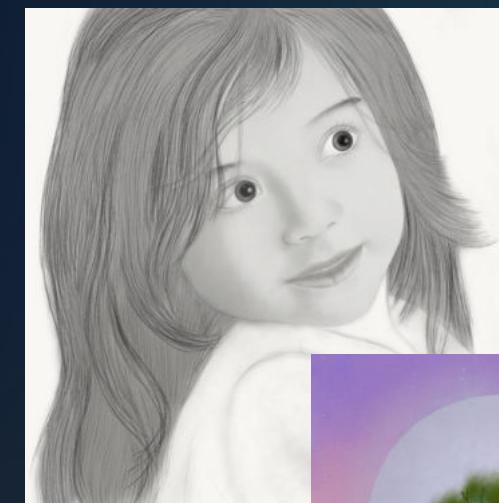


[check out for more](#)

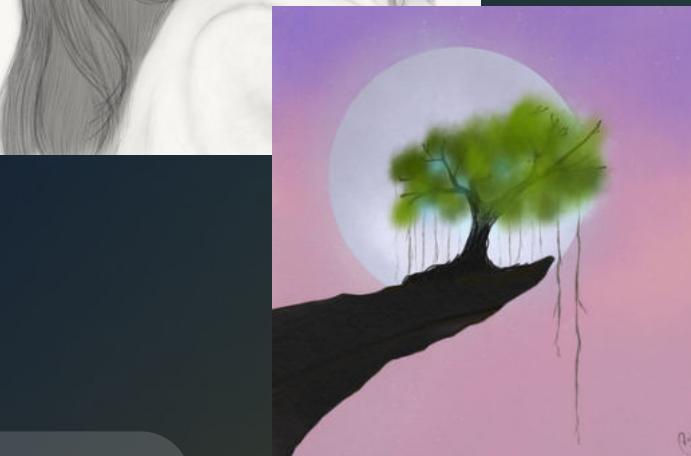


— Personal Skills & Hobbies

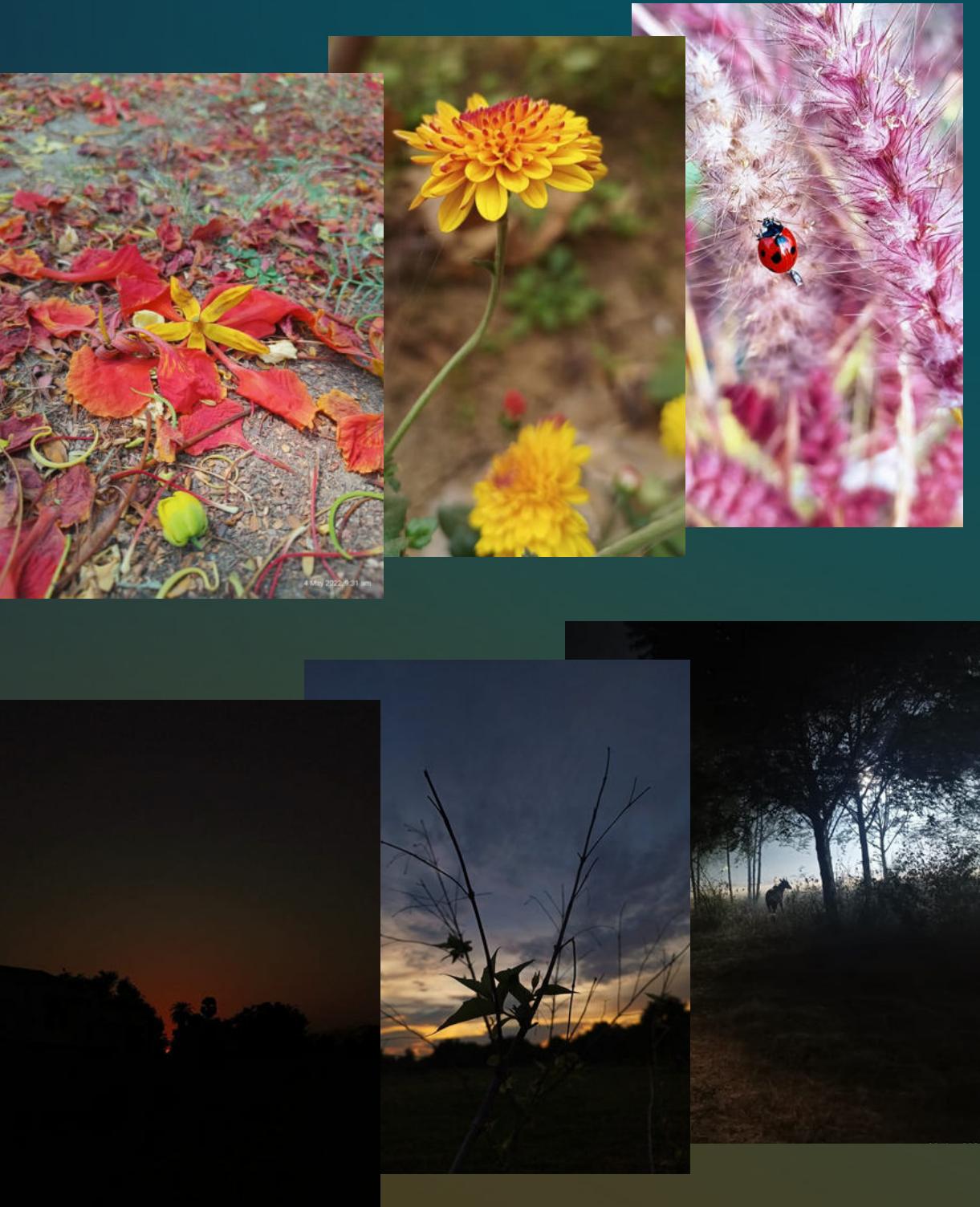
- Writing



- Photography



- Digital art & sketching





Thank You!

