

# SUMEDHA SINGH RATHOR

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[LinkedIn](#)  
[HackerRank](#)

[GitHub](#)

[Behance](#)  
[LeetCode](#)

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## EDUCATION

**Modern Vidya Niketan School**

SSCE - 12th (CBSE)

Faridabad, Haryana

2020 - 2022

**Kalinga Institute of Industrial Technology**

B.Tech (CSE)

Bhubaneswar, Orissa

2022 - Present

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## SKILLS

- **Programming Languages:** Python, Java, MySQL, C, HTML, CSS, JavaScript
- **Libraries / Frameworks:** React.js, p5.js, Numpy, Pygame, Pandas, OpenCV, Matplotlib, scikit-Learn
- **Tools / Platforms:** PostgreSQL, IntelliJ IDEA, Jupyter Notebook, Visual Studio Code, Adobe Creative Suite (Photoshop, Illustrator, After Effects, InDesign), Figma
- **Version Control System:** Git, GitHub

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## EXPERIENCE

**Pehchaan the Street School**

Graphic Design Intern

January 2024 - March 2024

Remote

- Following a particular color scheme, created over [84+ creative posts](#) and stories for their Instagram
- Received 1-2 goals per week and showcase them at the end of every week
- **Tools Used** - Figma, Adobe Photoshop, Canva

**GAIL (India) Limited**

Summer Trainee

May 2024 - July 2024

Noida, Uttar Pradesh

- Delved into SAP ABAP and gained valuable insights into its applications at GAIL.
- Learned about upcoming the transition from ABAP to S/4 HANA
- Crafted a [35+ page report](#) on the migration analysis on the same

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## EXTRACURRICULARS

**E LABS**

Assistant Lead Coordinator of the UI/UX Domain

January 2024 - Present

- Created 10+ posts for the Instagram page
- Designed and prototyped the official website of the society

- Participated as an instructor, teaching UI/UX principles and responsive web design in 'DEZ-I-NIN 2.0: Web Designing Classes' that had 400+ registrations with over 130+ students in attendance, that spanned over 3 weekends.

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## PROJECTS

### LLM app with RAG to chat with your G-Mail Inbox | [LINK](#)

*Python*

- Using OpenAI API keys and deployed using streamlit, this helps in gaining information from your Gmail Inbox

### Image Segmentation using color spaces | [LINK](#)

*Python*

- Using OpenCV, Matplotlib, Numpy libraries from Python, trained to segment images of fishes into different color regions and used it to segment images of other fishes from their background.

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### Weather App | [LINK](#)

*JavaScript*

- Using OpenWeatherMap API and JavaScript, this web app allows users to easily access current conditions, humidity, and temperature for any location.

### Tetris Game Clone | [LINK](#)

*JavaScript*

- Created using p5.js framework, recreated the iconic Tetris game in which the player complete lines by moving and rotating 6+ different pieces
- The rate of pieces dropping increases after 10 lines are completed, elevating the skill level of the game
- Also indicates the score and the level of the player

### Sliding Puzzle | [LINK](#)

*Java*

- A combination puzzle that challenges a player to slide pieces along the certain routes to establish a certain end-configuration.
- A 4x4 game that requires to order tiles 1 through 15 to finish the game
- Uses Swing for its graphical user interface

### Tic-Tac-Toe | [LINK](#)

*Python*

- Using the Pygame library, recreated the classic tic-tac-toe game which can be played against the computer
- Visual appealing and response is immediate

### Water Sort Game | [LINK](#)

*HTML, CSS & JavaScript*

- Sort colored water droplets using JavaScript mechanisms

### Journey Joys | [LINK](#)

*Figma*

- A case study on a travel app that redefines travel planning with curated recommendations and personalized itineraries.

- Designed after culminating in all the laws and principles taught in an ELABS workshop of 4 days.
- Led and collaborated with 3 students

### **Squid Game | [LINK](#)**

**Python**

- Using the OpenCV and OS libraries, created a game similar to the one shown in the popular web series 'Squid Game'.
- Uses pixel change to detect motion and eliminate the player

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## **CERTIFICATIONS**

- ❖ Programming with Python Training - [Internshala](#)
- ❖ Core Java Training - [Internshala](#)
- ❖ Data Structures & Algorithms - [Internshala](#)
- ❖ Live Training Program on Python Programming and SQL - **ExcelR**
- ❖ SQL (Basic) - [HackerRank](#)
- ❖ SQL (Intermediate) - [HackerRank](#)
- ❖ Python Developer - [Sololearn](#)
- ❖ Problem Solving (Basic) - [HackerRank](#)
- ❖ Introduction to SQL - [Sololearn](#)
- ❖ Introduction to JavaScript - [Sololearn](#)
- ❖ SQL (Intermediate) - [Sololearn](#)
- ❖ Responsive Web Design - [freeCodeCamp](#)
- ❖ JavaScript Intermediate - [Sololearn](#)
- ❖ CSS (Basic) - [HackerRank](#)
- ❖ Git for Beginners - [Udemy](#)
- ❖ Create a GUI with Python - [Udemy](#)
- ❖ CSS Complete Course for Beginners - [Udemy](#)
- ❖ Python for Machine Learning - The Complete Beginner's Course - [Udemy](#)