

# SUMEDHA SINGH RATHOR

Email: [sumedharathor@gmail.com](mailto:sumedharathor@gmail.com)

Mobile: +91 9717122450

[LinkedIn](#)

[GitHub](#)

[Behance](#)

[HackerRank](#)

[My Personal Portfolio](#)

[LeetCode](#)

## PROFESSIONAL SUMMARY

Motivated 3rd-year B.Tech CSE student with a strong foundation in graphic design and user experience (UX) acquired through self-directed learning. Proficient in creating visually engaging designs for digital platforms, including social media, websites, and mobile applications. Demonstrates excellent leadership and communication skills, with a passion for delivering creative, user-centric solutions.

## EDUCATION

**Kalinga Institute of Industrial Technology - 8.75 CGPA**

*B.Tech (CSE)*

Bhubaneswar, Orissa

September 2022 - June 2026

**Modern Vidya Niketan School - 87%**

*SSCE - 12th (CBSE)*

Faridabad, Haryana

August 2020 - March 2022

## SKILLS

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

## EXPERIENCE

**Pehchaan the Street School**

**January 2024 - March 2024**

*Graphic Design Intern*

Remote

- 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**

**May 2024 - July 2024**

*Summer Trainee*

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

## EXTRACURRICULARS

*Assistant Lead Coordinator of the UI/UX Domain*

- Created 10+ posts for the Instagram page
- Designed and prototyped the official website of the society within 2 weeks
- 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

---

## PROJECTS

**Notes Ki Dukaan | [LINK](#)*****Figma***

- Developed a comprehensive UX case study for a notes sharing app, focusing on a user-friendly design; enabled 150+ users to easily share and access peer-written notes within the first month.
- UsCollaborated with another student.

**My Personal Portfolio | [LINK](#)*****HTML, CSS & JavaScript***

- Personal Portfolio including all about me, my relevant skills and projects - all presented in a single, dynamic webpage.
- Uses GSAP library for its dynamic and engaging animation all in one page.

**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.

**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***

- Using p5.js framework, coded 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.
- Lead 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

## **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](#)
- ❖ Mastering PostgreSQL: The Ultimate SQL Guide for Beginners - [Udemy](#)
- ❖ Python Fullstack Web Developer Certificate of Completion - [AICTE](#)
- ❖ Python & Java: Master Backend & Frontend Web Developments - [Udemy](#)
- ❖ NumPy, SciPy, Matplotlib & Pandas A-Z: Machine Learning - [Udemy](#)
- ❖ Hands-On Javascript, Crafting 10 Projects from Scratch - [Udemy](#)