

SUMEDHA SINGH RATHOR

Email: 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](#)