

# Sankalp Agarwal

B.Tech. CS Student

sankalpagarwal8057@gmail.com | +91 7060795512 | Mathura

[LinkedIn](#) | [LeetCode](#) | [GitHub](#)

## EDUCATION

### GLA UNIVERSITY

B.Tech. in Computer Science

### Romex International School

10<sup>th</sup>: 86.2%      12<sup>th</sup>: 78.2%

Mathura, Uttar Pradesh

Sept 2022 – Aug 2026

Mathura, Uttar Pradesh

2020 - 2022

## EXPERIENCE

### Internship Studio | Web Design and Development | [Link](#)

Nov 2024 – Dec 2024

- Successfully completed a one-month intensive web design and development internship, gaining hands-on experience in both front-end technologies, including HTML, CSS, JavaScript.
- Led and executed an independent project from concept to completion, meeting all deadlines and delivering high-quality, responsive websites that optimized performance and user experience.
- Gained proficiency in responsive design, cross-browser compatibility, and performance optimization, contributing to the overall success of the project.

### Internship Studio | Java | [Link](#)

Dec 2024 – Jan 2024

- Completed a one-month training and internship focused on Java programming, gaining practical experience in object-oriented programming (OOP), data structures, and algorithms.
- Independently managed and executed a project, from planning and development to submission, ensuring timely delivery before the deadline while maintaining high-quality code and efficient problem-solving practices.
- Enhanced programming skills by tackling coding challenges and real-world use cases, improving debugging techniques and optimizing code performance.

## SKILLS

### Programming Languages

Java, Python, HTML, CSS, JavaScript.

### Technical Skills

Object-Oriented Programming, Data Structures & Algorithms, Web Development

### Frameworks & Tools

TensorFlow, Librosa, Tkinter, Git & GitHub, Matplotlib

### Soft Skills

Problem Solving, Team Collaboration, Effective Communication, Time Management

## PROJECTS / OPEN-SOURCE

### Women Safety Analytics | Smart India Hackathon - [Link](#)

- Threat Detection:** Developed an ML-powered app that detects distress signals and aggressive male vocalizations using deep learning.
- Threat Mapping:** Integrated a data-driven mapping feature to categorize areas by threat levels, enhancing real-time situational awareness.
- Smartwatch Integration:** Incorporated smartwatch sensors to monitor vital signs and movements, enabling real-time threat detection and alerts.

### Rock, Paper, Scissors Game | GUI Application | Python - [Link](#)

- Developed an engaging Rock, Paper, Scissors game application using Python and Tkinter, incorporating interactive gameplay mechanics that enabled seamless, real-time interaction between the user and the system.
- Implemented robust game logic using randomization algorithms, ensuring fair play and balanced outcomes to enhance user engagement and strategic decision-making.
- Designed a user-friendly graphical interface with responsive features such as score tracking, game reset, and detailed instructions, showcasing expertise in UI/UX design, problem-solving, and Python application development.

## CERTIFICATIONS

- Problem Solving (Basics) - [HackerRank](#)
- Python (Basic) - [HackerRank](#)
- Java (Basics) - [HackerRank](#)
- DSA Hackathon - [Link](#)
- Internship Studio internship completion – [Internship Studio](#)
- Internship Studio internship completion – [Internship Studio](#)