

# SAMBHAV GUPTA

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• Portfolio Website: sambhav213.vercel.app/

## EDUCATION

### B.Tech CSE Hons. in Data Science and Analytics

Graduating May 2025

Amity University Uttar Pradesh, Noida

### XII (CBSE) | Meerut Public School

2021

### X (CBSE) | Meerut Public School

2019

## TECHNICAL SKILLS

**Languages:** Python, Javascript, Java, R Programming

**Frontend:** HTML/CSS, Bootstrap, Tailwind, Javascript, React.js

**Backend:** Node.js, Express.js, EJS, Javascript, Typescript

**Database:** MySQL, PostgreSQL, MongoDB

**Data Science and Machine Learning:** Python, Numpy, Pandas, Matplotlib, R, dplyr, ggplot2

## ACADEMIC PROJECTS

### Intelligent AI/ML based real-time De-Hazing/De-Smoking Algorithm

Oct-Dec 2023

Algorithm for real-time visibility improvement in fog/smoke. (Collaborative Project)

- Algorithm providing an intelligent real-time solution to the problem of low visibility in foggy and smoky/hazy areas.
- Excelled in a team-oriented work culture, consistently leading and collaborating with colleagues to achieve project milestones and enhance team efficiency.

### Solstice E-Commerce

Spring 2023

E-commerce site with OAuth and RESTful APIs, using MERN stack.

- Practiced the technologies of MERN Stack as a Full Stack Developer
- Explored the security of OAuth and Salting

### G.C.S. (Gesture Controlled System)

Jan-Feb 2024

Algorithm lets users control computer via touchless finger gestures.

- A touchless system environment enabling users to seamlessly control the functionality of a computer system through intuitive hand gestures, without the need for physical contact, merely by moving their fingers.
- Understanding the functionalities of OpenCV, MediaPipe, and other libraries.

## HONORS AND ACHIEVEMENTS

### Finalist: Smart India Hackathon 2023

Dec 2023

Organised by: Ministry of Education's Innovation Cell and All India Council of Technical Education

- Co-led a team of six to provide a solution to a problem statement given by the Ministry of Defence
- Reached the pinnacle of a national hackathon by making it to the grand finale, showcasing not only technical skills but also the ability to work collaboratively and excel under the intense pressure of a competitive environment.

### Exhibitor: India's International Science Festival 2023

Jan 2024

Organised by: Government of India, Government of Haryana, Vijnana Bharti

- Participated as an exhibitor at the prestigious event, where I effectively communicated complex scientific concepts to a diverse audience, enhancing public awareness and appreciation.
- Contributed to the success of the event by managing an engaging exhibit and promoting hands-on learning.

### Contributor: 14th International Conference, Confluence 2024

Jan 2024

Organised by: Amity University Uttar Pradesh, Noida

- Recognized as a significant contributor for instrumental contributions leading to innovative outcomes in cloud computing, data science, and engineering.

## OTHER WORK EXPERIENCE

### Volunteer: Samaritans All Around, Meerut, Uttar Pradesh

Jan-Mar 2024

- Engaged in impactful NGO work, collaborating on community projects, amplifying social impact, and fostering positive change through dedicated contributions.