

SAMBHAV GUPTA

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EDUCATION

B.Tech CSE Hons. in Data Science and Analytics

Graduating May 2025

Amity University, Noida, Uttar Pradesh

XII (CBSE) | Meerut Public School

2021

X (CBSE) | Meerut Public School

2019

TECHNICAL SKILLS

Languages: Java, Javascript, Python, 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

Autumn 2022

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.

ACHIEVEMENTS

Smart India Hackathon 2023: Grand Finalist

Dec 2023

Co-Led a team of six to provide a solution on a problem statement given by the Ministry of Defence

- Successfully provided a solution to the real-life problem of low visibility at fire-hazardous areas, making it more efficient for rescue operations
- 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.

India's International Science Festival 2023: Exhibitor

Jan 2024

Represented Amity University at International Level Exhibition

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

OTHER WORK EXPERIENCE

Samaritans All Around, Meerut, Uttar Pradesh: Volunteer

Jan-Mar 2024

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