

SAMBHAV GUPTA

+91-7457097128 • sambhavgupta213@gmail.com • linkedin.com/in/sambhav213 • github.com/sambhav213
• Portfolio Website: sambhav213.vercel.app/

EDUCATION

Amity University Uttar Pradesh, Noida 2021 - 2025
B.Tech Computer Science and Engineering Hons. Specialization in Data Science and Analytics
Meerut Public School | XII (CBSE) 2021
Meerut Public School | X (CBSE) 2019

TECHNICAL SKILLS

Languages	Front-end	Back-end	Data & Databases	Data Science and Machine Learning
<ul style="list-style-type: none">• Python• Javascript• Java (J2EE & Web)• R Programming	<ul style="list-style-type: none">• HTML/CSS• Bootstrap / Tailwind• Javascript• React.js	<ul style="list-style-type: none">• Node.js• Express.js• EJS• Typescript	<ul style="list-style-type: none">• Rest APIs• MySQL• MongoDB• PostgreSQL	<ul style="list-style-type: none">• Python• NumPy / Pandas• Matplotlib• R Programming

ACADEMIC PROJECTS

Gesture Controlled System (Python Project) Jan-Feb 2024

- Python Gesture Control: Developed a gesture recognition system for touchless computer interaction. An algorithm lets users control computer via touchless hand gestures. (OpenCV, MediaPipe)
- Real-Time Interaction: Built a Python program that translates hand gestures into computer commands, promoting accessibility. (PyAutoGUI)

Intelligent AI/ML based real-time De-Hazing/De-Smoking Algorithm (Collaborative Project) Oct-Dec 2023

- Real-time Video Processing: Developed an intelligent AI Algorithm for visibility improvement in fog/smoke and hazy environments in real-time from video footage inputs with object detection. (OpenCV)
- Project Management & Collaboration: Leveraged collaborative expertise to achieve project goals, fostering effective communication and problem-solving within the team. (Teamwork)

Solstice Fashion (MERN Stack E-Commerce Project) Spring 2023

- Product Data Management: Utilized RESTful APIs to streamline product data management, enabling efficient product updates across the e-commerce platform.
- Enhanced E-commerce Security: Implemented OAuth authentication and integrated RESTful APIs to securely connect the e-commerce platform with payment gateways and logistics providers.

HONORS AND ACHIEVEMENTS

Delegate for Netherlands: International Model United Nations Online Conference 208 Apr 2024
Honorable Mention recognition as a Delegate for Committee on Economic and Financial Affairs Council (ECOFIN)

- Honed research, public speaking, and diplomacy skills through participation in a prestigious international competition, earning recognition for excellence.

Exhibitor: India's International Science Festival 2023 Jan 2024
Organised by: Government of India, Government of Haryana, Vijnana Bharti (VIBHA)

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

Finalist: Smart India Hackathon 2023 Dec 2023
Organised by: Ministry of Education's Innovation Cell and All India Council of Technical Education (AICTE)

- 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.

OTHER WORK EXPERIENCE

Contributor: 14th International Conference, Confluence 2024 Jan 2024
Theme: Cloud Computing, Data Science and Engineering