

SAMBHAV GUPTA

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• 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
<ul style="list-style-type: none">• <u>Python Gesture Control</u>: Developed a gesture recognition system for touchless computer interaction. An algorithm lets users control computer via touchless hand gestures. (OpenCV, MediaPipe)• <u>Real-Time Interaction</u>: 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
<ul style="list-style-type: none">• <u>Real-time Video Processing</u>: 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)• <u>Project Management & Collaboration</u>: 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
<ul style="list-style-type: none">• <u>Product Data Management</u>: Utilized RESTful APIs to streamline product data management, enabling efficient product updates across the e-commerce platform.• <u>Enhanced E-commerce Security</u>: 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) <ul style="list-style-type: none">• 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) <ul style="list-style-type: none">• 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) <ul style="list-style-type: none">• 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	