SAMBHAV GUPTA

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• Portfolio Wesbite: 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 X (CBSE) | XII (CBSE)   2019 | 2021

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 Programming

ACADEMIC PROJECTS

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.z

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)

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 (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.

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 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.

Delegate for Netherlands: International Model United Nations Online Conference 208   Apr 2024
Honourable 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.

OTHER WORK EXPERIENCE

Contributor: 14th International Conference, Confluence 2024   Jan 2024
Theme: Cloud Computing, Data Science and Engineering
- Sharpened research, communication, and technical skills through contribution to a prominent international event.