Akshita Gupta

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Education

Oriental Group of Institutes, Bhopal   2021- 2025
Bachelor of Technology in Computer Science & Engineering   CGPA 8.42

Experience

Indian Space Research Organization (ISRO) - Space Applications Center, Ahmedabad | R & D Intern   Oct 2024 - Feb 2025
- Developed algorithms in C for **differential GNSS and NavIC**, applying differential corrections to pseudo-range rover measurements to achieve **decimeter-level positioning accuracy.**
- Implemented **least squares estimation** to compute corrected user positions and automated CSV-based storage for validation and analysis.

HL Tech Pvt Ltd, Bhopal | Software Developer Intern   Feb 2024 - Sep 2024
- Designed scalable and **responsive web interfaces**, improving user experience and increasing site responsiveness by 30%.
- Streamlined **frontend–backend** integration and API workflows, reducing page load times by 30%..
- Utilized **Git/GitHub version control**, reducing deployment errors by 40% and enabling seamless team collaboration.

Projects

CheckMate – OCR-powered Financial Document Automation   GitHub ⬈
- Built an **OCR tool** to extract structured data from scanned PDFs and checks with 95% accuracy.
- Developed a Streamlit dashboard, desktop GUI, and batch engine, enabling multi-interface usability. parsing of payee, account number, amount, and date fields, reducing manual data entry by 80%.

FaceTrackr – Real-Time Face Recognition Attendance   GitHub ⬈
- Created an AI-powered attendance platform with **90% recognition accuracy** using Haar Cascade + KNN.
- **Designed an interactive dashboard** for user management, daily reporting, and interactive analytics.
- Automated attendance tracking for **500+ face samples**, reducing manual logging time by 70%.

SpendWise – Personal Expense Tracker   Live ⬈
- Built **a full-stack Flask Web app** to log, filter, and analyze personal expenses with a responsive UI.
- Engineered **real-time search** and filtering for 1000+ entries using Fetch API and optimized CSV-based storage.

Skills

Programming Languages: Python, JavaScript, SQL, HTML5, CSS3
Frameworks & Libraries: Flask, React.js, Streamlit, OpenCV, scikit-learn, Pandas, NumPy, Plotly
Tools & Platform: Git, GitHub, VS Code, Render, Figma

Leadership & Extracurricular

- Achieved **1st rank** in CSE department in Semesters 1, 6, and 7 with an SGPA of **9.24, 8.88, and 8.92** respectively.
- Led and managed **10+** technical events and workshops with GDG Cloud Bhopal, including Google Cloud Community Days (Bhopal, 2023-2025), with **500 +** attendees, in Web Development, Android, Cloud Services, and User Experience Design.
- Coordinated and hosted **DoAction Bhopal 2024** in collaboration with WordPress Bhopal.
- **Runner-up** at NEC, E'Summit 2023 (**IIT Bombay**) for project presentation, demonstrating innovation and teamwork.
- Selected as a mentor for Code in Place (**Stanford University**, 2023) of **80,000 global applicants,**, highlighting the commitment to advancing coding education.