Akshita Gupta

✉ guptakshita210@gmail.com 📞 9039518913 🔗 Portfolio in Linkedin ⌂ Github </> Leetcode

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 Centre, Ahmedabad | R & D Intern Oct 2024 - Feb 2025

- Developed and implemented algorithms for differential GNSS and **NavIC** in C, applying differential corrections to pseudo-range rover measurements to achieve decimeter-level accuracy.
- **Estimated** corrected user positions using least squares estimation and stored them in CSV files for validation and analysis.

HL Tech Pvt Ltd, Bhopal | Software Developer Intern Feb 2024 - Sep 2024

- Engineered scalable, responsive web interfaces with **optimized performance,** enhancing user experience and improving site responsiveness by 30%.
- Streamlined **frontend–backend integration** and API workflows, improving system efficiency and reducing page load times by 30
- Git/GitHub version control **enabling seamless collaboration** and reducing deployment errors by 40%.

Projects

CheckMate – OCR-powered Financial Document Automation | *Python, Tesseract OCR, OpenCV, Pandas* GitHub ⬈

- Built an **OCR tool** to extract structured data from scanned PDFs and checks with 95% accuracy.
- Designed a Streamlit analytics dashboard, desktop GUI, and **batch engine** for multi-interface use.
- **Automated parsing** of payee, account number, amount, and date, reducing manual data entry by **80%**.

FaceTrackr – Real-Time Face Recognition Attendance | *Python, OpenCV, Scikit-learn, Streamlit* GitHub ⬈

- An AI-powered attendance platform with **90% recognition accuracy** using Haar Cascade + KNN.
- **Designed a Streamlit dashboard** for user management, daily reporting, and interactive analytics.
- Automated attendance tracking for **500+ face samples**, cutting manual logging time by 70%.

SpendWise – Personal Expense Tracker (Web App) | *Front-end & Flask* Live ⬈

- Created **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+ expense 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
Databases & Storage: SQLite, MySQL, CSV/JSON-based storage

Leadership & Extracurricular

- **Led** & Social Media Manager ⬈ for Central India's largest **Google Cloud Community Days** (2023–2025) in Bhopal with 500+ attendees; and also co-organized ⬈ the first **Do Action Bhopal 24** with WordPress Bhopal.
- **Runner-up** at NEC in E'Summit'23 (**IIT Bombay**) for project presentation, demonstrating strong project management & coordination skills.
- **Selected** mentee for Code in Place (**Stanford University, 2023**) among **80,000** global applicants, highlighting dedication to advancing coding education.