SANSKRITI GUPTA

Kanpur, India | +91 6306642481 | sanskriti0409@gmail.com | github.com/sanskriti49

EDUCATION

VIT Bhopal University, Bhopal
- Bachelor of Technology in Computer Science (Expected May 2027) | GPA: 8.54/10
- Relevant Coursework: Data Structures & Algorithms, Software Engineering, Database Systems

Dr. Virendra Swarup Education Centre, Kanpur
- CISCE (Class XII) | Percentage: 91.5% (2023)

PROJECTS

AI-Powered Dementia Care Assistant   **July 2025 - Present**
- Building a full-stack Flutter app for dementia care with voice-enabled memory assistant, reminders and emergency support, optimized for elderly-friendly UX.
- Implemented core features: medication scheduler, memory journal, and family communication portal, improving care coordination.
- Architected a Local RAG system using vector embeddings and cosine similarity to enable accurate, privacy-first recall of object locations.
- Integrating Google Cloud Speech & Generative AI (Gemini) to enable conversational memory assistance and automatic summarization of user interactions.

Service Provider Platform   **June 2025**
- Designing a full-stack marketplace web app for discovering, booking, and reviewing local service providers.
- Built a React and Node.js with Express full-stack platform with PostgreSQL, implementing modular front-end components and a validated backend to manage user profiles, provider details, and bookings.
- Implementing role-based dashboards, real-time booking updates, and deployment pipelines, improving platform efficiency and usability.

Movie Discovery & Recommendation System   **Oct 2024**
- Developed a movie discovery and streaming platform using external movie APIs, enabling search, detailed info, rating, and personal watchlist management.
- Built a recommendation system based on user preferences and watch history, enhancing user engagement.
- Added genre-based browsing and trending dashboards, improving navigation and overall UX.

LEADERSHIP & ACTIVITIES

Google Developers Club   **Bhopal**
Core Member   **Dec 2024 – July 2025**
- Organized and led a workshop on Web Development and AI/ML for 50+ students.
- Contributed to a women's wellness platform by designing RESTful APIs.
- Authored a technical article "Agentic AI: Shaping a Future of Autonomous Intelligence" on GDG VIT Bhopal's Medium.

SKILLS & CERTIFICATIONS

TECHNICAL SKILLS
- **Programming Languages:** JavaScript, Java, Python, C++, SQL
- **Front-End:** React, Next.js, Flutter, HTML5, CSS3, Redux
- **Back-End:** Node.js, Express.js, Flask
- **Databases:** PostgreSQL, MongoDB, Firebase (Firestore)
- **Cloud & DevOps:** AWS (EC2, S3, Lambda), Firebase Hosting, Git, GitHub Actions (CI/CD), Docker, Vercel

CERTIFICATIONS & TRAINING
- **Data Analytics and Visualization –** Accenture North America Virtual Experience Program
- **Introduction to Machine Learning –** NPTEL
- **Postman API Fundamentals Student Expert –** Postman

LANGUAGES
- **English –** Fluent **| Hindi –** Native