Samarth Gupta

+91 9098860093 | gsamarth2004@gmail.com | LinkedIn | GitHub

EDUCATION

VIT Bhopal University, Bhopal   2022 − 2026
B.Tech in Computer Science & Engineering   *CGPA: 8.73/10.0*

TECHNICAL SKILLS

Programming: C++, Python, SQL, HTML, CSS, JavaScript, TypeScript
Frameworks & Technologies: React.js, Node.js, Next.js, Express.js, Tailwind CSS, MongoDB, PostgreSQL, Prisma, Neon, Clerk, JWT, RESTful APIs, Vapi
Tools & Platforms: Git, GitHub, Docker, Google Colab, AWS
Concepts: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

PROJECTS

RideTogether | *React.js, Python, Tailwind CSS, Node.js, MongoDB* [Code] [Live]   Jun - Jul 2024
- Developed full-stack carpooling platform using React.js frontend and Node.js/Python backend, connecting drivers and passengers with optimized route matching algorithms.
- Designed and implemented a responsive and user-friendly interface using **Tailwind CSS**, supporting real-time ride updates and intuitive ride discovery features.
- Implemented MongoDB database with secure user authentication, dynamic ride data storage, and **RESTful APIs** for seamless booking workflows.
- Deployed scalable web application with JWT authentication, payment gateway integration, and mobile-responsive design for enhanced user experience.

Streamify | *React.js, Tailwind CSS, Node.js, MongoDB* [Code] [Live]   Feb − May 2025
- Developed Streamify, a real-time chat and video communication application with a responsive and modern UI using React.js and Tailwind CSS.
- Designed and implemented secure backend services with Node.js, leveraging **RESTful APIs** for efficient data exchange and scalable architecture.
- Integrated MongoDB as the database to manage user authentication, chat history, and media data.
- Utilized **GetStream.io API** to enable seamless real-time messaging and video streaming features.
- Improved system performance by **reducing message latency by 20%** through optimized state management and reusable UI components.

DentWise | *Next.js, PostgreSQL, Clerk, Vapi, TanStack Query, Neon, Prisma* [Code] [Live]   Jul − Aug 2025
- Developed an AI-powered **voice assistant platform** for dental clinics using Next.js and Vapi, enabling patients to book appointments and receive real-time, voice-based dental guidance.
- Enhanced the voice assistant's intent-recognition accuracy to **over 92%** by refining Vapi request handling and user-context processing logic.
- Integrated **Clerk authentication** with secure, role-based access control for patients and dentists, ensuring protected user onboarding and session management.
- Designed and deployed a **scalable PostgreSQL database** using Prisma ORM and Neon, enabling efficient serverless operation, low-latency queries, and reliable data synchronization.
- Enhanced overall performance and user experience by leveraging **TanStack Query** for intelligent caching, background data refetching, and smooth, reactive UI interactions.

CERTIFICATIONS AND ACHIEVEMENTS

Full stack Developer (MERN) – SmartBridge [Certificate]   Apr 2025
GenAI – ORACLE [Certificate]   Apr 2025
Cloud Computing – NPTEL, IIT Kharagpur [Certificate]   Apr 2024
Abacus Excellence: Completed **8 Level** in **Abacus** (UCMAS) and secured 5th position in the national-level final examination held in Chennai.
Skating Award: Won a **gold medal** in a skating tournament at the age of 5.

EXTRACURRICULAR ACTIVITIES

Competitive Programming: Solved **300+ DSA problems** on LeetCode & GeeksforGeeks with an overall acceptance rate of 80%.
Gujarati Club (Event Management Lead): Led the core organizing team for major campus events and contributed significantly to the successful execution of the annual college fest.
Hackathons: Participated in multiple national-level hackathons on Unstop, including Grab Hack and Adobe India Hackathon, developing innovative project prototypes under time constraints.
Athletics: Represented college in **U-14 & U-16** zonal-level cricket tournaments.