Samarth Gupta

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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
Concepts: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks
Frameworks & Technologies: React.js, Node.js, Express.js, Tailwind CSS, MongoDB, JWT, RESTful APIs
Tools & Platforms: Git, GitHub, Docker, Google Colab

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.
- Built responsive UI with Tailwind CSS and integrated Google Maps API for real-time ride tracking and location-based driver-passenger matching.
- 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.
- Optimized overall application performance and user experience by applying state management techniques and reusable UI components.

Wizard AI | *React.js, Tailwind CSS, Gemini API* [Code]   Jul – Aug 2025
- Developed an AI-powered Components Generator web application that generates reusable React components styled with Tailwind CSS from natural language prompts.
- Integrated Google Gemini API for natural language understanding and automated code generation.
- Built an interactive code editor and live preview system for seamless developer experience.
- Designed responsive and modular UI with React.js and Tailwind CSS, enabling real-time visualization of AI-generated components.
- Enhanced developer productivity by automating repetitive frontend tasks and reducing prototyping time.

CERTIFICATIONS

Full stack Developer (MERN) – Smartbridge [Certificate]   Apr 2025
Cloud Computing – NPTEL, IIT Kharagpur [Certificate]   Apr 2024

EXTRACURRICULAR ACTIVITIES

Competitive Programming: Solved **300+ DSA problems** on LeetCode & GeeksforGeeks with an overall acceptance rate of 80%.
Hackathons: Participated in multiple national-level hackathons on Unstop, including Grab Hack, TVS Credit Epic 7.0, and Adobe India Hackathon, developing innovative project prototypes under time constraints.
Event Management Lead: Led the core organizing team for major campus events and contributed significantly to the successful execution of the annual college fest.
Athletics: Represented college in **U-14 & U-16 zonal-level cricket tournaments**.
Web Development Event: Competed in "Design Dazzle," a three-day online event focused on frontend web development and design practices.