Samarth Gupta

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GitHub: github.com/samarth2434

Education

VIT Bhopal University	Oct 2022 - May 2026
Bachelor of Technology in Computer Science and Engineering (CGPA: 8.73/10)	*Bhopal, MP*
Macro Vision Academy	April 2021 - April 2022
Senior School Certificate Examination (C.B.S.E Class XII) - 76.8 percentage	*Burhanpur, M.P*
Macro Vision Academy	April 2019 - April 2020
Secondary School Examination (C.B.S.E Class X) - 69.2 percentage	*Burhanpur, M.P*

Technical Skills

Languages: C++, Python, Django, Java, HTML, CSS/Tailwind CSS, JavaScript.
Technologies: React.js, MongoDB, Node.js, Next.js, SQL, Git.
Tools: TensorFlow, Google Colab.
Concepts: Object-Oriented Programming, Data structures and Algorithms, Cloud Computing, machine learning, Cyber Security, Operating system, Computer Network.

Projects

Heart Disease Prediction | *Machine Learning in Python*   Aug 2024-Jan 2025
- Developed and optimized a machine learning model in Python to predict heart disease risk.
- Applied various supervised learning algorithms (e.g., Naïve Bayes, Logistic Regression, Support Vector Machines, Random Forest) to classify patients based on a comprehensive set of medical and lifestyle parameters.
- Conducted data preprocessing, feature engineering, and model evaluation to ensure robust and reliable predictions.

Blink-Chat: Real-time Quick Chat Application | *React.js, Tailwind css, Docker, MongoDB, Node.js*   May 2025-July 2025
- Developed a full-stack MERN (MongoDB, Express.js, React, Node.js) quick chat application, implementing real-time messaging using Socket.IO for instant communication.
- Engineered a responsive React.js frontend with secure user authentication (JWT) and dynamic chat interfaces for seamless user experience.
- Designed and managed MongoDB database schema for efficient storage and retrieval of chat histories and user profiles.
- Built robust RESTful APIs with Node.js and Express.js, handling user management, message routing, and data persistence.

Carpool website | *React.js, Python, Docker, MongoDB, Node.js*   May 2024-July 2024
- Developed a carpooling platform(FrontEnd) to connect passengers and drivers, optimizing routes and reducing transportation costs.
- Built a carpool web app with React, Tailwind CSS, and JavaScript, improving user experience.
- Deployed with Docker, ensuring 99.5% uptime and enhancing user experience by 40%.

Extracurricular, Certifications and Training

- Data Science Using Python Course by iamneo. Link
- Full Stack Developer MERN by SmartInternz.Link
- Experiential Learning at Hyderabad Pune: Workshops Learning related to various domains of CSE.

Activities

Gujarati Club, VIT Bhopal | *Event Management*   Aug 2023 - Mar 2025
- Spearheaded Garba Night 2024 as Event Lead, ensuring its successful execution.
- Played a pivotal leadership role in organizing club activities for Advitya'25, significantly contributing to the fest's overall success.