Samriddhi Sahu

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Education

INSTITUTE OF ENGINEERING TECHNOLOGY DAVV INDORE *Sept 2023 – May 2027*
Bachelor of Engineering in Information Technology *(Expected)*

- CGPA: 8.01/10.0
- **Coursework:** Data Structures & Algorithms, Operating Systems, Database Management Systems, Object-Oriented Programming, Software Engineering

Experience/Projects

INFERNO GUARD – Fire Department Automation & Monitoring System *(Hackathon Project)* [Github](#)

Developed **Backend** during a 36-hour hackathon, Smart emergency automation system using intelligent routing and real-time alerts."

- **Evacuation Routing**: Implemented backend algorithm to compute shortest and safest exit paths using real-time map data.
- **Alert System**: Integrated Gmail API for automated fire department notifications.
- **Auth Module**: Developed authentication to block fake reports.
- **i18n Support**: Enabled multilingual interface for wider accessibility.
- **Tools & Technologies:** Next.js, TypeScript, Node.js, Firebase, Gmail API, Google Maps API

CAMPUS STORIES *[Github](#)*

- Developed a Backend Medium-like platform for campus students to share articles, using Node.js and Express.
- Built APIs to manage user accounts, article submissions, comments, and article filtering, optimizing database schemas for performance and scalability.
- Designed a responsive UI, integrated user authentication, multilingual support, and external content APIs to keep the platform up-to-date and inclusive.
- **Tools & Technologies:** Node.js, Express, MongoDB, PostgreSQL, JSON Web Tokens (JWT).

DYNAMIC WEB PORTFOLIO *[Portfolio](#)*

- Built a responsive portfolio using React and Tailwind CSS with light/dark mode and dynamic typing effects via `react-typical`.
- **Tools & Technologies:** React, Tailwind CSS, react-typical, JavaScript, HTML, CSS.

Skills

Languages: C, C++, Java, Python, JavaScript, SQL.

Backend Development: Node.js, Express.js, PostgreSQL, MongoDB, REST API.

Frontend Development: React.js, TypeScript, Recoil (State Management), Tailwindcss.

Tools: Git/GitHub, Postman, Linux, UNIX, Windows.

Databases: MySQL, MongoDB, PostgreSQL.

Achievements

2024	qualified round 1 of coding divas(BNY)
2024	secure a position among the top 30 teams in the internal hackathon for Smart India Hackathon.
2024	Solved 500+ DSA questions across GeeksforGeeks, LeetCode, and CodeStudio.

Links

Leetcode://**[sahusamriddhi](#)** GFG://**[sahusamriddhi](#)**