Rohit Kumar Sahu

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Education

VIT Bhopal University	**May 2022 – May 2026**
Bachelor of Technology in Computer Science and Engineering (GPA: 9.14 / 10.00)	*Bhopal, Madhya Pradesh*
Government HSS Excellence Anuppur	**May 2021 – May 2022**
Senior Secondary School Certificate (Class XII) (Percentage: 96.20 / 100.00)	*Anuppur, Madhya Pradesh*
Government HSS Excellence Anuppur	**May 2019 – May 2020**
High School Certificate(Class X) (Percentage: 96.25 / 100.00)	*Anuppur, Madhya Pradesh*

Technical Skills

Programming Languages: C++,Python
Development:Node.js, React.js, Express.js,RESTful APIs, HTML, CSS, JavaScript
Databases: MySQL, MongoDB
Tools & Technologies: GitHub,Postman
Relevant Coursework: Data Structures and Algorithms, Computer Networks, Database Management Systems, Object-Oriented Programming(OOPs)

Projects

Disaster Recovery Coordination Platform | *Node.js, MongoDB, Express.js, React.js*   **May 2025 – Oct 2025**
- Enhanced a full-stack **MERN** application to serve as a central platform for coordinating disaster relief efforts, enabling users to report incidents, request aid, and register as volunteers.
- Executed a secure user management system using **JSON Web Tokens (JWT)** for authentication and role-based authorization, safeguarding sensitive user data with **bcrypt** password hashing.
- Planned and expanded a comprehensive **RESTful API** with **Node.js** and **Express.js** to manage disaster reports and volunteer data, ensuring a scalable codebase through an MVC architecture.

Study Mantra | *Node.js, MongoDB, Express.js, React.js, RESTful APIs*   **Oct 2024 – Feb 2025**
- Built a **Full-stack** E-learning platform enabling online course delivery, user management.
- Applied **JWT-based** authentication and authorization for secure registration, login, and profile management.
- Improved **RESTful APIs** for course management and content delivery, ensuring scalability and maintainability.

AI Recipe Generator | *Node.js, React.js , OpenAI API*   **Jun 2024 – Oct 2024**
- Developed a Full-stack AI-powered application that generates customized recipes based on user inputs like ingredients.
- Integrated OpenAI **API** to process natural language queries and return structured recipe recommendations.
- Created **RESTful APIs** using **Node.js** and **Express.js** to handle requests and connect the AI model.

Achievements

- **ZS Campus Beats Challenge:** Ranked among the **Top 50** teams in the **ZS Campus Beats** Challenge.
- **TCS Codevita:** Secured a Global Rank of **963** in the TCS CodeVita .
- **Codeforces:** Attained the rank of **Specialist** with a Contest rating of **1464**. codeforces.com/profile/rohit0235
- **LeetCode Weekly Contest 427:** Ranked **2,906 / 22,325**. https://leetcode.com/u/rohit9301/
- **GeeksforGeeks:** Achieved a **3-Star rating** (University Rank: 10). https://www.geeksforgeeks.org/user/rohitsaag3p/
- **STARS Scholarship:** Secured a **100% Scholarship** by VIT Bhopal University.

Experience

Hewlett Packard Enterprises(HPE)   **Jan 2025 – Jun 2025**
HPE CTY Intern
- Engineered an ML-driven file detection tool that increased cybersecurity data categorization accuracy by 86%.
- Designed content-based classification algorithms to streamline enterprise data retrieval and security workflows.

Extracurricular / Certifications

- **HackerRank:** Earned a **Frontend Developer (React)** Certificate in June 2025.
- **Coding Blocks Club:** Organized 5+ coding events, quizzes, and hackathons as a **Core Member**.