Sonia

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Professional Summary

Final-year B.Tech CSE student at VIT Bhopal, aspiring Software Engineer skilled in full-stack development and problem-solving. Proficient in building scalable web applications with **React.js, Tailwind CSS, Node.js, Express.js, and MongoDB**, and experienced with **C++ for algorithms and DSA**. Hands-on with cloud platforms (**AWS, Azure**), delivering optimized, production-ready solutions that improve system performance and user engagement.

Education

B.Tech CSE, VIT Bhopal 2022 – 2026
CGPA: 8.71 / 10.00
Class 12 (2022): 83%
Class 10 (2020): 92%

Experience

Collaborations with The Indian Navy

- Engineered a **Leave Management System** for officers and sailors at INS Valsura to digitize leave approvals and record-keeping.
- Structured a department-wise, role-based workflow, enabling faster approvals and secure data handling with 99% accuracy.
- Delivered a clean, user-friendly UI integrated with a complex backend powered by **SQL**, improving efficiency by 60%.

Technical Projects

RoamHive – AI-powered Full Stack Application

- Architected a vacation rental website with **React.js + Tailwind CSS frontend** and **Node.js/Express backend**.
- Integrated an AI-driven recommendation engine using collaborative filtering, increasing personalization accuracy by **35%**.
- Implemented authentication and booking workflows with property filtering and search, improving user experience by 30%.
- Optimized cloud-hosted **REST APIs** and database queries in **MongoDB**, reducing response time to under 30ms.

Freelancing Platform – Student-Oriented Solution

- Designed a freelancing platform tailored for **college students** to find part-time gigs and earn money for daily needs.
- Developed with **React.js, Tailwind CSS, Node.js, and MongoDB**, featuring secure authentication and role-based dashboards.
- Implemented bidding, milestone tracking, and task management features, boosting student engagement by **60%**.
- Deployed on AWS with scalability configurations, ensuring reliability for concurrent student users.

Technical Skills

Languages: C++, JavaScript, Python, SQL, NoSQL, HTML/CSS.
Frameworks & Tools: React.js, Tailwind CSS, Node.js, Express.js, Git, Docker, REST APIs, Cloud Platforms (AWS, Azure),Figma,Notion,MS Excel,MS word and MS Power Point,Canva,Da-vinchi-Resolve.
Soft Skills: Communication, Organized,Collaboration,Team work,management skills, Adaptability.

Certifications

- AWS Certified Solutions Architect – Associate
- DevOps, Agile & Design Thinking
- MERN Stack Web Development
- Machine Learning Using Python (Coursera)

Achievements & Leadership

- Winner, College Hackathon (5000) – created a full-stack app with innovative ideas.
- Core Team member, Microsoft Club – organized 2 hackathons/ and multiple events with 350+ participants.
- Research Assistant – contributed to a Hyperspectral Image Processing Project.
- GeeksforGeeks Competitive Coding Rank: Top 700 / 11,000+ participants.