

Sonia

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Professional Summary

Final-year B.Tech CSE student at VIT Bhopal, aspiring Software Engineer. Skilled in SQL, NoSQL, Object-Oriented Programming (C++), and Data Structures & Algorithms. Experienced in full-stack development, and cloud environments (AWS, Azure). Passionate about solving data-driven problems, debugging complex issues, and building scalable applications.

Education

B.Tech CSE, VIT Bhopal

2022 – 2026

- CGPA: 8.71 / 10.00

Technical Skills

Language: SQL, NoSQL, C++, JavaScript, Python, HTML/CSS.

Frameworks & Databases: React.js, Node.js, MongoDB, MySQL, REST APIs.

Systems & Tools: Git, Docker, Cloud Platforms (AWS, Azure), .NET, CI/CD Pipelines.

Soft Skills: Adaptability, Collaboration, Communication, Problem-Solving, Agile Mindset.

Technical Projects

RoamHive – AI-powered Full Stack Application

- Engineered a full-stack vacation rental marketplace using React, Node.js, MongoDB, and MySQL, optimized with scalable database design.
- Developed an AI-powered recommendation engine leveraging SQL and data modeling, increasing personalization accuracy by 35%.
- Implemented secure user authentication, payment gateway integration, and REST APIs for end-to-end functionality.
- Deployed on AWS with CI/CD pipelines, ensuring high availability, fault tolerance, and seamless scalability.

Freelancing Platform – Cross-Platform Solution

- Built a cross-platform freelancing application featuring user authentication, role-based access, and interactive dashboards.
- Optimized workflows through SQL & NoSQL hybrid data models, improving analytics and decision-making.
- Introduced features like milestone tracking, transparent bidding, and smart notifications, enhancing user efficiency by 40%.
- Cloud-deployed on AWS, ensuring scalability, high demand availability, and resilience under load.

Experience

Collaborations with The Indian Navy

- Worked on select software projects with the Indian Navy's IT division.
- Designed and developed a **Leave Management System for officers and sailors at INS Valsura**, streamlining complex approval workflows and leave management processes.

Certifications

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

Achievements & Leadership

- Winner, College Hackathon (5000) – deployed app in 5 hrs under Agile.
- Core Team, Microsoft Club – organized hackathons/events (350+ participants).
- Research Assistant – contributed to data analysis & prototyping.
- GFG Competitive Coding Rank: Top 700 / 11,000+