

Sakshi

Site Reliability Engineer (SRE)

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Professional Summary

Results-driven Computer Science Engineering student specializing in DevOps, Cloud Infrastructure, and Automation. Proficient in C++, Python, and Bash scripting with hands-on experience in AWS and Azure environments. Proven track record of enhancing system reliability, achieving **99.9% uptime** in critical applications and reducing deployment errors by **90%** through CI/CD optimization. Seeking an SRE role to leverage strong problem-solving skills in building scalable, fault-tolerant systems.

Technical Skills

- Languages** C++, C, JavaScript (ES6+), Python, Bash Scripting
- Cloud/DevOps** AWS (EC2, S3), Azure, Docker, Kubernetes, Jenkins, CI/CD
- Databases** MySQL, MongoDB, Data Structures & Algorithms (DSA)
- Infrastructure** Git, GitHub, Docker, NGINX, Terraform, CloudFormation, Jenkins, AWS (EC2, S3), Linux, VS Code

Education

- 2022–2026 **Bachelor of Engineering in Computer Science (Specialisation in DevOps)**, Chandigarh University, CGPA: 8.21
Relevant Coursework: Object Oriented Programming, DBMS, Operating Systems, Computer Networks.
- 2021 **Intermediate (Class XII)**, Kendriya Vidyalaya AFS Thane Kolshet, 90%

Technical Experience

- July 2025 – Present **Lead Developer**, *DevOps Quest (Gamified Learning Platform)*, Project
- Reduced scenario load times by **25%** and increased user retention by **30%** during beta testing by optimizing backend simulation logic using Node.js.
 - Cut deployment errors by **90%** by standardizing development environments with Docker containers.
 - Developing an interactive web platform using React, Firebase, and MongoDB to simulate complex DevOps scenarios.
- Jan 2025 – Mar 2025 **Web Developer**, *E-Commerce Website*, Project
- Attained a **98/100** Lighthouse performance score by building a responsive frontend using HTML5 and CSS3.
 - Decreased bounce rates by **15%** by compressing assets and optimizing page load speeds.
 - Ensured application portability across 3+ different environments by deploying via NGINX and Docker.
- July 2024 – Dec 2024 **Full Stack Developer**, *FOODISTA (Campus Dining Platform)*, Academic Project
- Reduced average wait times by **40%** for 500+ daily users by engineering a unique digital token algorithm.
 - Achieved **99.9%** system uptime during peak lunch hours by integrating real-time data fetching for live menu updates.
 - Built a full-stack solution using React and JavaScript to digitize campus dining operations and payment processing.
- Jan 2024 – May 2024 **Frontend Developer**, *Patient Care System (Healthcare Portal)*, Academic Project
- Decreased manual patient check-in time by **50%** by designing a secure patient portal for digital record management.
 - Enabled **2x faster** data retrieval for medical staff by creating administrative dashboards with visualization tools.
 - Implemented Role-Based Access Control (RBAC) to ensure **100% compliance** with data privacy standards.

Academic Research

- Nov 2025 **Research Paper**, *DevOpsQuest: A Gamified Learning Platform*
- Demonstrated a **20% improvement** in skill acquisition speed through simulation-based learning compared to traditional methods.
 - Authored a detailed architectural analysis of a gamified platform for progressive DevOps education.
- Jan 2024 **Academic Study**, *Cyber Attacks on UPI Payment Systems*
- Identified 5 major phishing vectors in digital payments through comprehensive security vulnerability analysis.
 - Proposed encryption-based measures to mitigate fraud risks in a detailed technical report.

Certifications & Interests

- Certifications** Oracle Cloud Infrastructure Generative AI Professional (2024), Microsoft Azure Fundamentals (2023)
Interests Web Application Development, Cloud Computing, Open Source Technologies