

Sakshi

Software Developer

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-sakshi-jha-

Professional Summary

Results-driven Final Year Computer Science Engineering student with a strong foundation in Software Development Life Cycle (SDLC) and Object-Oriented Programming (OOP). Proficient in C++, JavaScript, and React, with hands-on experience building scalable web applications. Adept at using cloud tools (AWS/Azure) and CI/CD pipelines to enhance development workflows. Seeking a Software Developer role to apply problem-solving skills in designing efficient, high-quality software solutions.

Technical Skills

Languages C++, C, JavaScript (ES6+), Python, Bash Scripting

Web Development React.js, HTML5, CSS3, Node.js, JSON, RESTful APIs

Databases MySQL, MongoDB, Data Structures & Algorithms (DSA)

Infrastructure Git, Docker, 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