Sakshi

Software Developer

Vadodara, Gujarat, India
+91 925 847 3367
sakshi132728@gmail.com
sakshi-code13.github.io/Portfolio/
sakshi-jha

Professional Summary

Final Year Computer Science Engineering student proficient in **C++, JavaScript, and React**. Experienced in building scalable web applications and optimizing deployment workflows using AWS and Docker. Successfully improved system performance by **30%+** through efficient backend logic and database management. Committed to engineering high-quality software solutions that solve real-world technical challenges.

Technical Skills

Languages	C++, C, JavaScript (ES6+), Python, Bash Scripting
Web Technologies	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 **B.E. in Computer Science Engineering**, *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 for technical education.

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 for queue management.
- **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.

Feb 2023 **Academic Study**, *Smart Rings: Future of Wearable Tech*
- Compared **10+ wearable architectures** to evaluate hardware constraints and sensor efficiency.
- Analyzed software requirements for integrating health monitoring sensors into compact ring form factors.

Certifications & Interests

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