

Surbhi Singh

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EDUCATION

- **Chitkara University** Rajpura, Punjab
B.E. in Computer Science; CGPA: 8.93 2023 - 2027

EXPERIENCE

- **Quark Software** June 2025 – July 2025
Software Engineering Summer Intern
 - **Full-Stack Development:** Developed and optimized production-ready full-stack web applications using Angular (frontend) and Node.js + Express (backend) with a strong focus on scalability, security, and performance.
 - **OAuth 2.0 Integration:** Implemented the complete OAuth 2.0 authentication flow—access tokens, redirects, secure API handling—gaining real-world understanding of modern authentication systems.
 - **Frontend Engineering:** Built reactive, scalable, and user-friendly Angular UI components with attention to UX, robust error handling, infinite scroll behavior, and performance optimization.
 - **Backend API Development:** Designed, implemented, and tested backend APIs with secure data handling, efficient request processing, and strong error management for production environments.
 - **Production-Level Exposure:** Gained hands-on experience with debugging, deployment readiness, and performance tuning in real-world development scenarios beyond academic learning.
 - **Professional Skills & Collaboration:** Worked in an agile environment, learned to break down complex problems, ask the right questions, collaborate effectively, and deliver high-quality work within deadlines.

CERTIFICATION

- **AWS Certified Cloud Practitioner** — Amazon Web Services
Verify Certificate
- **AWS Certified AI Practitioner** — Amazon Web Services
Verify Certificate

ACHIEVEMENTS AND RESPONSIBILITIES

- **Cloud Team Member - Google Developers Group On-Campus Chitkara University (Sept 2025 - Present):** Supported and mentored 100+ learners during a month-long cloud program, helping my campus achieve Tier-1 Cloud Campus status by guiding students, resolving doubts, and driving consistent learning progress.
- **Winner - Tier one , Google Cloud Study Jams (GDG - On Campus)- Oct 2024:** Achieved top recognition for outstanding performance in hands-on Google Cloud labs, covering topics such as virtual machines, containerization, BigQuery, and Kubernetes. Demonstrated practical cloud computing skills, problem-solving ability, and a strong grasp of Google Cloud tools and services through guided, real-world labs.

SKILLS

- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** HTML5, CSS3, React.js, Node.js, Express.js, REST APIs
- **Full-Stack Development:** MERN Stack, CRUD operations, Authentication, State Management
- **AI & Machine Learning:** Prompt Engineering, Agentic AI
- **Data Structures & Algorithms:** Problem-Solving, Time & Space Optimization, Complexity Analysis
- **Databases:** MongoDB, MySQL, PostgreSQL, Redis
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, SNS, SQS), Docker
- **Tools & Technologies:** Git, GitHub, Linux, VS Code, Postman