

# Nischaya Garg

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Software Engineer (Backend / Full-Stack) | Chandigarh University | B.E., CSE (Hons. AI & ML (IBM))

## PROFESSIONAL SUMMARY

Backend-focused software engineer with strong full-stack experience building scalable APIs, distributed services, and performant user interfaces. Skilled in C++, JavaScript/TypeScript, Python, SQL/NoSQL, and cloud-native deployment. Improved system load performance by 12% and user engagement by 15%, with hands-on experience in CI/CD pipelines, debugging, distributed workflows, and load testing.

## EDUCATION

- Chandigarh University (AIT-CSE)**  
B.E. Computer Science Engineering – Hons. AI & ML (IBM) | CGPA: 8.53/10 Jun 2027
- Kendriya Vidyalaya Sangathan (Defense)**  
Higher Secondary (Grade A+) May 2023

## PROFESSIONAL EXPERIENCE

- TSN Securitys** Remote/Hybrid  
Python Automation Intern | Python, Cybersecurity, OSINT Jul 2025 – Sep 2025
  - Automated OSINT data-collection pipelines in Python, reducing manual workload by approximately 60%.
  - Created modular extraction utilities and contributed to internal vulnerability-analysis workflows.
- Google Developers Group** Chandigarh, IN  
Co-Lead Web Developer | ReactJS, NodeJS, Docker Oct 2024 – Aug 2025
  - Reduced load time by 12% via asset bundling and caching optimization.
  - Improved user retention by 15% through routing refinements and latency reductions.
- Association for Cyber Security** Chandigarh, IN  
Web Development Mentor | Full-Stack Development Jul 2024 – Mar 2025
  - Mentored 50+ students in deployment workflows and debugging.
  - Resolved integration issues across student projects to enhance stability and delivery cadence.

## TECHNICAL PROJECTS

- RayTracerNG: 2D Ray Tracing Engine** Live Demo  
C++17, OpenGL, ImGUI
  - Built a real-time 2D ray tracer with interactive scene editing and lighting simulation.
  - Implemented render optimizations and spatial partitioning to sustain 60+ FPS.
- ResumifyNG: AI Resume & Interview Coach** Live Demo  
React, FastAPI, NLP/ML
  - Developed ATS-aligned resume analysis with ML-driven scoring.
  - Load-tested interview simulation backend to 10k+ virtual users with stable P95 latency.
- CodeHiveNG: Collaborative Coding Platform** Live Demo  
React, NodeJS, WebSockets, MongoDB
  - Created real-time collaborative editor with multi-language execution.
  - Validated system stability under 100+ concurrent user sessions.

## TECHNICAL SKILLS

**Languages:** C++, JavaScript/TypeScript, Python, SQL

**Frameworks:** React, Next.js, Express, FastAPI, Redux

**Databases/Cloud:** PostgreSQL, MySQL, MongoDB, AWS, GCP, Redis

**Tools/DevOps:** Docker, Git, CI/CD (GitHub Actions, Jenkins), Webpack, NPM

**Soft Skills:** Problem-Solving, Leadership, Communication, Critical Thinking

## ACHIEVEMENTS & CERTIFICATIONS

- AIR 11** – Naukri Campus Engineering Track
- Admiral V.S. Shekhawat Scholarship**
- LeetCode:** Global rank <180k; 490+ day streak
- GfG:** 1800+ score; 490+ day streak
- Oracle PL/SQL** – DB Programming
- Azure AI-900** – AI Fundamentals
- Generative AI for Data Engineers** – Coursera

## TECHNICAL STRENGTHS

Distributed Systems, API Design, Real-Time Communication, Data Modeling, Performance Optimization, Cloud Architecture, System Debugging, Microservices, Load Testing, Data Structures and Algorithms