

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 Security**
Python Automation Intern | Python, Cybersecurity, OSINT
– 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**
Co-Lead Web Developer | ReactJS, NodeJS, Docker
– 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**
Web Development Mentor | Full-Stack Development
– 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**
C++17, OpenGL, ImGUI Live Demo
– 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**
React, FastAPI, NLP/ML Live Demo
– 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**
React, NodeJS, WebSockets, MongoDB Live Demo
– 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