

# Ankit Kumar Sahu

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## SUMMARY

CSE student with a problem-solving mindset and hands-on experience in building web platforms and system utilities seeking software engineering internship opportunities. Adapt at learning new technologies quickly and applying them to real-world challenges.

## PROJECTS

- Szare: Local File Sharing App** (*go-gin, next.js*) github
- Offline file sharing application with high-speed local network transfers (**100+ MB/s**)
  - Built with Go for **concurrency** and performance (handles **50+** simultaneous transfers)
  - **Self-hosted** for privacy and control (no third-party servers)
  - Modern web interface supporting **large files** (>1GB per transfer)
- Titly: URL Shortener** (*go-gin, sveltekit, redis, docker*) github
- Lightning-fast URL shortening service
  - Handles **10,000+** requests per second with high concurrency via goroutines
  - Redis **caching** for persistent and fast short code lookups
  - **Dockerized** for easy deployment and scalability
- DevIDE: Online Code Editor** (*next.js, convex*) github
- Online IDE supporting 10+ programming languages
  - Customizable interface with multiple themes and integrated **payment** system
  - Advanced filtering, search, and **caching** for robust performance
  - Personal profiles with execution history tracking

## OPEN SOURCE CONTRIBUTIONS

- Chromium** (*C++, TypeScript, CSS*)
- Replaced deprecated `base::Time()` sentinel with `base::Time::Max()` for clearer and safer time-range handling. CL #7206813
  - Corrected unreadable console output selection text color in DevTools by improving selection contrast for dark backgrounds. CL #7109459
- Turso Database** (*Rust*)
- Replaced unsafe `str::from_utf8_unchecked` with safe UTF-8 conversion to eliminate potential undefined behavior. PR #1677

## TECHNICAL SKILLS

- **Languages:** TypeScript, C++, Go, Rust, Python, C, Java, Bash
- **Frameworks and Libraries:** React.js, React Native, Next.js, SvelteKit, Express.js, Gin, FastAPI
- **Databases and ORMs:** PostgreSQL, MongoDB, Redis, SQLite, Prisma, Drizzle
- **Tools and Technologies:** Linux, Docker, Kubernetes, REST APIs, GraphQL, Git, AWS EC2, AWS Lambda, AWS S3, CI/CD, CMake

## EDUCATION

- CV Raman Global University, Bhubaneswar** Bhubaneswar, India  
*Bachelor of Technology in Computer Science and Engineering* (2023 – 2027) — CGPA: 8.26
- Delhi Public School, Ranchi** Ranchi, India  
*Class 12th, CBSE* 2023 — Percentage: 85%
- SS DAV Centenary Public School, Khunti** Khunti, India  
*Class 10th, CBSE* 2021 — Percentage: 93%