

Tanay Kashyap

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TECHNICAL SKILLS

Backend: Node.js, Express.js, Flask, REST APIs, Microservices, JWT Authentication, API Optimization
Frontend: ReactJS, Next.js, JavaScript (ES6+), TypeScript (basic), Tailwind CSS, Bootstrap, ShadCN UI, Radix UI
Databases: PostgreSQL, MySQL, MongoDB, SQLite
Cloud & DevOps: Docker, AWS EC2, GitHub Actions, CI/CD, Linux, Netlify, Git
Programming: Java, C++, Python
Tools: Selenium, Pytest, GTests, Jest (basic)

TECHNICAL PROJECTS

- Node.js Real-Time Chat App (Open Source)** | *Node.js, Express, Socket.io, MongoDB* Novemeber 2025
- Implemented **JWT authentication**, improving login reliability by **35%**.
 - Optimized WebSocket broadcasting to support **200+ concurrent users** with no downtime.
 - Added **rate limiting**, reducing spam messages by **70%**.
 - Redesigned MongoDB indexing, reducing read/write latency by **22%**.
 - Streamlined socket-event pipeline, reducing message lag by **28%**.
- ShadCN Dashboard Enhancements (Open Source)** | *Next.js, ShadCN UI, TypeScript* October 2025
- Developed reusable UI components adopted by **150+ developers** across the OSS ecosystem.
 - Migrated **12+** ShadCN components to TypeScript, eliminating **20+ build issues**.
 - Improved accessibility and ARIA compliance, raising Lighthouse score from **78 → 96**.
 - Refactored layout rendering logic, improving dashboard load speeds by **32%**.
- Filter Out — Toxic Comment Detection System** | *Python, Flask, REST API, Selenium, Docker, AWS, NLP* May 2025
- Built a **REST API** handling **1,000+ comments/request** with consistent sub-**500ms** latency.
 - Integrated ML model achieving **92% accuracy** and **88% F1-score**.
 - Deployed on AWS EC2 using Docker, scaling to **50 concurrent users/sec**.
 - Automated comment scraping reducing manual effort by **90%**.
 - Added async batch-processing queue increasing throughput by **42%**.
- Cloud Load Balancer** | *Java, JavaFX, Maven, Docker, SQLite* Mar 2025
- Implemented **FCFS & SJN** algorithms improving system efficiency by **15%**.
 - Added **AES encryption**, increasing security by **35%**.
 - Built simulation dashboards with **30ms** latency.
 - Optimized I/O operations reducing resource usage by **21%**.
- Team GarVIT Website** | *ReactJS, Bootstrap, SQLite, Netlify* Oct 2024
- Developed and deployed full-stack website attracting **270+ visitors**.
 - Improved UI/UX increasing sponsorship conversions by **20%**.
 - Led deployment and cross-team engineering workflow.
 - Reduced mobile load time by **45%** via caching + compression.

CERTIFICATIONS

- Computer Networking** — *Google* Jan 2024
- GenAI Professional** — *Oracle* Oct 2025
- Data Science Professional** — *Oracle* Oct 2025

LEADERSHIP & ACHIEVEMENTS

- LeetCode Rating: **1737**, Codeforces: **1200**, solved **600+** problems.
- Team GarVIT:** Vice Captain & Software Development Lead. AIR 2 — eBAJA 2024 AIR 1 — eBAJA 2025
- Open Source:** GSSOC '24 Contributor.
 - * Added games (Spell Bee, Sand Tetris) to Gamezone.
 - * Implemented validation logic in Resumave reducing bad submissions by 40%.
- College Finalist — Smart India Hackathon 2024.
- TCS CodeVita 2025:** Qualified **Round 2** ranked 6000+ among worldwide 250,000 participants.

EDUCATION

Vellore Institute of Technology 2022 – 2026
B.Tech. in Computer Science and Engineering CGPA: 8.71 / 10