

VANSH SHARMA

Lucknow, India | sharmavansh.3777@gmail.com

GitHub | LinkedIn | Portfolio

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Go

Frontend: React, Next.js, Tailwind CSS

Backend: Node.js, Express.js

Databases and ORM: PostgreSQL, MongoDB, Redis, Prisma, Drizzle ORM

Tools and Concepts: Docker, RAG, BullMQ, queues, concurrency, caching, authentication

PROJECTS

BlitzCode | GitHub | Live Demo

Next.js, TypeScript, WebSockets, BullMQ, Redis, LLM APIs

- Developed a coding-practice platform with problem discovery, pagination, and filtering by topic and difficulty.
- Built problem-detail pages and an in-browser coding workflow for programming practice.
- Integrated LeetCode and Codeforces profile data and cached profile responses to reduce repeated upstream requests.

CatchMusic | GitHub | Live Demo

Next.js, TypeScript, NextAuth, Browser Storage, BullMQ, PostgreSQL

- Built a web-based music platform for searching tracks and listening through an integrated music player.
- Implemented liked songs, playlist management, user profiles, and favorite-artist preferences.
- Used Next.js API routes, NextAuth, Drizzle ORM, and Redis to support application APIs, authentication, and caching.
- Organized the codebase as a Bun and Turborepo monorepo with a web application, background-worker service, and shared packages.

KaamBazar | GitHub | Live Demo

Next.js, TypeScript, Prisma, PostgreSQL, Geofencing

- Developed a full-stack marketplace application using React for the frontend and Node.js/Express for backend routes.
- Connected application workflows to MongoDB for persistent storage of marketplace data.
- Worked across frontend and backend code to connect user-facing screens with server-side functionality.

WorkerBox (In Development) | GitHub

Go, GORM, Queues, Concurrency, Mutex

- Developing a Go-based background job processing system with persistent job records.
- Implemented core queue operations and job-status tracking for queued, processing, completed, and failed jobs.
- Added retry handling and dead-letter queue behavior for repeatedly failing jobs; worker execution and concurrency remain in development.

EVENTS AND CERTIFICATIONS

- **Code Debugging Hunt** | Certificate Link October 2026
- **Kalpathon 2.0** | Certificate Link April 2025

EDUCATION

Babu Banarasi Das University, Lucknow, India

B.Tech. in Computer Science and Engineering (AI)

CGPA: 9.0/10 (till 4th Semester)

Class XII: 87% | Class X: 89%