

Roshan Sharma

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EDUCATION

•Netaji Subhas University of Technology, New Delhi

B.Tech – Computer Science and Engineering

Expected 2028

CGPA: 8.48

•Delhi Public School

Higher Secondary Education, Delhi

2024

Percentage: 93.2%

EXPERIENCE

•Tool Snitch

Full Stack Developer

Sep 2024 – Nov 2024

Remote

- Built APIs and backend workflows for seller onboarding, appointments, cart management, invoices, and repair order handling using Node.js.
- Developed frontend features for user, seller, and admin panels using Next.js and Tailwind CSS.
- Contributed to authentication, map integration, and multi-role access flows across the platform.

•GenZFit

Mobile App Developer

Sep 2025 – Feb 2026

Remote

- Built backend and mobile workflows for a nutrition platform using React Native, Firebase, Cloud Functions, and Supabase.
- Implemented OTP authentication, real-time chat, subscription billing, personalised diet plans, and role-based access for users and dietitians.
- Integrated RevenueCat and Firebase webhooks for App Store and Play Store subscription lifecycle management.

PERSONAL PROJECTS

•ModelFlow – No-Code ML Pipeline Builder

Aug 2025

- Built a visual ML workflow platform supporting pipeline creation, preprocessing, model training, and evaluation through a DAG-based execution system.
- Developed containerized backend services in Python for dataset processing and isolated model execution workflows.
- Designed orchestration and execution pipelines for configurable ML tasks, including preprocessing, hyperparameter configuration, and generated training workflows.

•Matchloop – Concurrent Matching Engine

Dec 2025

- Built a high-throughput matching engine in Go using a single-owner event loop architecture to eliminate lock contention and shared mutable state.
- Implemented priority-based matching, cancellation, timeout handling, and hash-based workload routing for concurrent intent processing.
- Benchmarked the engine at 2.5M+ intents/sec with deterministic matching guarantees, bounded latency, and race-condition-safe execution.

•One Line One Shot – Coding Competition Platform

Nov 2025

- Built a coding competition platform with real-time contest workflows using WebSockets, Redis, and Node.js.
- Integrated Docker and Judge0-based sandboxed execution for secure multi-language code evaluation.
- Designed live leaderboard and contest synchronization systems for concurrent participants.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, Go, SQL

Frameworks & Libraries: Node.js, React, Next.js, React Native, FastAPI, Flask

Databases: PostgreSQL, MySQL, MongoDB

Tools & Platforms: Docker, Redis, Firebase, Supabase, Git, Linux

LEADERSHIP & ACTIVITIES

D'Code: Executive Committee Member

Google Developer Groups (GDG): Development Mentor

Innovision: Tech Coordinator

Moksha: Tech Coordinator