

KARAMJIT KUMAR

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EDUCATION

Delhi Technological University

B.Tech - Computer Science and Engineering - **CGPA - 7.7**

2023 – 2027

New Delhi

EXPERIENCE

Freelance Full-Stack Developer – NorthWind Estates

2026

Role - Full-Stack Developer

Remote

- Built the complete **real estate website** for a client from scratch, including the landing page, property listings, and a contact/lead form.
- Integrated **Sanity CMS** with the **Next.js** frontend, allowing the client to publish and update blog content without touching code.
- Connected the lead capture form to the client's **CRM**, so new inquiries route in automatically instead of being tracked by hand.
- Stack: **Next.js, Sanity**. Live at **northwindestates.com**, in active use by the client.

PROJECTS

Orbit High-Concurrency Event Commerce Platform | [GitHub](#) | [Live](#) | [Benchmark](#) | [Go, Gin, Redis](#) 2026

- Built the purchase backend for a **high-concurrency event commerce platform**, closing race conditions that could let two buyers win the same limited-stock item.
- Wrote an **atomic reservation engine** in **Redis** with **Lua scripts** to enforce idempotency; load-tested at **5,000 concurrent buyers** with zero overselling, holding **8,000+ req/sec** at **p99 under 604ms**.
- Split transactional writes from persistent storage by asynchronously flushing confirmed bookings from **Redis** to **MongoDB**, covered by a **223-test integration suite**, all passing.

BOSE X | [GitHub](#) | [Live](#) | [Go, Next.js, OpenAPI 3.0, YAML, kin-openapi](#)

2026

- Built a platform that turns static **OpenAPI** contracts into working mock APIs, so frontend teams can build against them before the backend exists.
- Wrote a spec-processing pipeline that parses **OpenAPI 3.0** documents into a unified intermediate representation, resolving nested **\$ref** references and **allOf/oneOf** schema composition.
- Built an **HTTP runtime** that serves mock responses from that intermediate representation, with configurable failure cases and per-endpoint behavior for realistic frontend testing.

Gyanam – AI Communication Platform | [Github](#) | [Express.js, Twilio, Gemini, MongoDB](#)

2025

- Built a platform that connects an LLM to **SMS and voice calls** through **Twilio**, so people without smartphones or internet can still get AI assistance over a regular phone.
- Handled multi-turn conversation state and streaming responses from the **Gemini API**, keeping context consistent across SMS and voice on high-latency connections.

CODING PLATFORMS

- Achieved **Knight (2000+)** on **LeetCode** with **1150+** problems solved.
- Achieved **Specialist (1410+)** on **Codeforces** with **300+** problems solved.
- Solved an additional **300+** DSA problems across **GeeksforGeeks** and **InterviewBit**.

TECHNICAL SKILLS

Languages: C++, Go, JavaScript, Java, Python, SQL

Backend: Gin, Node.js, Express.js

Databases & Caches: MongoDB, MySQL, Redis

Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS

Developer Tools: Git, GitHub, Linux, VS Code