

Jatin Kumar Sharma

Bachelors of Computer Science and Marketing Minor

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Profile

UNSW CS (WAM 75+), systems/networking/backends focus; shipping security-minded backends with measured performance; currently pursuing AWS Cloud Practitioner certification; available Nov–Feb 2025–26.

Technical Skills

- **Languages:** Python, TypeScript/JavaScript, SQL (PostgreSQL), POSIX shell (dash/sh), Java, C, HTML/CSS
- **Systems/Networking:** TCP/UDP sockets, HTTP/1.1, Wireshark, DNS, Linux CLI
- **Security/Crypto:** X25519, HKDF, XChaCha20-Poly1305, basic threat modelling
- **Data/Tools:** PostgreSQL, PL/pgSQL, Git, Make, Regex, Markdown
- **Marketing:** Consumer behaviour, brand analysis.

Selected Projects — UNSW & Personal

End-to-End Encrypted Chat — Python (asyncio, TUI) · Jul–Aug 2025

Repo: <https://github.com/jatinSharma-create/6441---Project---E2E-Chat> X25519+HKDF handshake; XChaCha20-Poly1305 AEAD; Wireshark-verified; property tests; robust shutdown/error paths.

Local “mygive” Clone — POSIX Shell (dash) · May–Aug 2025

Repo: <https://github.com/jatinSharma-create/Shell-File-collection-and-marking>
Re-created UNSW-style submission/autotest pipeline (pure POSIX); **100% test parity**, <1s typical submit; atomic snapshots/rollback, deterministic diff, precise exit codes.

DungeonMania — Java (OOP/Clean Code) · Oct–Nov 2024

Repo: <https://github.com/jatinSharma-create/Object-Oriented-Programming> Refactored legacy engine to SOLID; modularised entities/combat/goals; **all tests passing**, reduced smells, clearer extension points.

Kahoot-style Quiz Backend — TypeScript, Node.js, HTTP · May–Aug 2024

Repo: <https://github.com/jatinSharma-create/project-backend>
Implemented session/quiz orchestration with correct HTTP semantics; led planning & unit tests; stable multi-session runs.

Education

University of New South Wales (UNSW), Sydney — Sep 2023 – Aug 2026

Bachelor of Computer Science (Minor in Marketing) · **WAM: 75+**

Volunteering Work:

Brekkie Club, UNSW Arc CheckPoint: September 2025 – Present | Kensington, NSW

- **Prepare and serve breakfast** to ~50 students weekly, ensuring food-safety and hygiene standards.
- **Coordinate with fellow volunteers** for smooth event setup, distribution, and clean-up.
- **Support inventory tracking and rostering** to maintain reliable operations.

Activities & Interests

Network measurement, shell tooling, SQL; running; exploring vegetarian spots in Sydney.

Work Rights & Availability

Student visa (subclass 500), 48 hr / fortnight in term and full-time in breaks, full-time Nov–Feb.