

# Gursimran Singh

Information Technology Student

Chitkara University, Punjab

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## EDUCATION

- Chitkara University, Punjab** 2023 – 2026 (Expected)
  - Bachelor of Computer Applications — Information Technology* CGPA: 8.9 (Top 10%)

## EXPERIENCE

- Dhaniverse — Founder & CEO** Apr 2024 – Present
  - Dhaniverse* [dhaniverse.in](#) / [GitHub](#)
  - Awards:** WCHL'25 Global Finale Honorable Mention (Top 4/12,000+ globally, **\$5,000**) — WCHL'25 Europe Regional **3rd Place (\$2,000)** — HackMol 6.0 Champion (1st/4,000+ participants, \$600)
  - Launched and scaled** gamified 2D RPG financial literacy platform reaching **1,200+ users in 2 months**; led team through multiple hackathon competitions and product iterations.
  - Architected** full-stack with **React + TypeScript + Phaser 3** frontend; **Deno (Oak) + WebSocket** real-time multiplayer + **JWT auth + MongoDB** backend; **ICP Rust canisters** for decentralized identity and on-chain achievements.
  - Engineered** ContrAG AI personalization engine (multi-DB: PostgreSQL + MongoDB + vector storage) achieving **5x engagement** vs traditional platforms; implemented dual financial simulators with real market data via **ICP HTTP outcalls**.
  - Optimized** performance through map chunking, lazy loading achieving **16ms render time (60fps)**; developed banking ledger, stock market, health/stamina economy, school modules, **AI NPCs**; maintained **99.9% uptime** on Azure + ICP mainnet.

## TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, Python, C++, C, C#, Rust
- Frontend:** React.js, Next.js, Angular, Phaser 3, Tailwind CSS
- Backend:** Node.js, Deno (Oak), Express.js, WebSockets, JWT, REST APIs
- Databases:** MongoDB, PostgreSQL, MySQL, Redis, Prisma ORM, Vector DBs (Weaviate/pgvector)
- DevOps & Cloud:** Git/GitHub, Docker, CI/CD, Azure, GCP, Vercel
- Blockchain/Web3:** Internet Computer (ICP), Rust Canisters, Internet Identity, Smart Contracts
- AI/ML:** LangChain, OpenAI API, Google Gemini, RAG Systems, Embeddings

## PROJECTS

- Agamify** [GitHub](#) — **Live:** AI-powered platform for code translation, refactoring, and visualization across codebases, facilitating seamless migration.
  - Developed** responsive full-stack with **Next.js + Tailwind CSS** boosting engagement **25%**; optimized backend with **Prisma + MongoDB** improving data retrieval **30%**; integrated **LangChain + OpenAI** for AI-driven transformation across **4+ frameworks**.
- Tech Stack:** Next.js, Tailwind CSS, Prisma, MongoDB, LangChain, OpenAI, Docker, Redis, Stripe, Azure
- Navirate** [GitHub](#) — **Live:** Indoor navigation platform providing precise routefinding through complex multi-story buildings using geospatial data.
  - Created** interactive multi-floor navigation with **React + Mapbox** accommodating **10+ floors**; designed custom **A\* pathfinding** reducing navigation time **15%**; leveraged **TypeScript** decreasing runtime errors **40%**.
- Tech Stack:** React.js, TypeScript, Mapbox, WebGL, Deno, GeoJSON

## ACHIEVEMENTS

- WCHL'25 Global Finale:** Honorable Mention (Top 4 globally, \$5,000) out of 12,000+ hackers with Dhaniverse.
- WCHL'25 Europe Regional:** 3rd Place (\$2,000) among top 30 teams in regional competition.
- HackMol 6.0:** 1st Place (\$600) among 4,000+ participants from 700+ colleges with Dhaniverse utilizing Phaser, WebSockets, React.js, TypeScript.
- HackTU 6.0:** Advanced to Finals with Navirate among 5,000+ participants from 800+ institutions.

## LEADERSHIP EXPERIENCE

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- **President - Computer Society of India, Chitkara University:** Led 30+ technical events engaging 1,000+ students; mentored 100+ students improving coding proficiency 35%.
- **AI Events Lead - Dialogh:** Spearheaded 5 AI workshops and 2 conferences with 200+ attendees, elevating participation 25%.
- **Student Web Developer - Google Developer Groups:** Guided 30+ students in web development achieving 15% increase in project completions and 10% improvement in coding skills.

## CODING PROFILES

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- **LeetCode Profile:** Solved 830+ algorithmic challenges focusing on time and space complexity optimization across data structures and algorithms.