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EDUCATION

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

TECHNICAL SKILLS

- **Programming Languages**: C++, C, JavaScript, TypeScript, Python, C#
- **Frontend Development**: React.js, Next.js, Tailwind CSS, Angular
- **Backend Engineering**: Deno, Node.js, Express.js, WebSockets, Stripe
- **Database Systems**: PostgreSQL, MongoDB, MySQL, Prisma ORM, Redis
- **DevOps & Tooling**: Git/GitHub, Docker, Google Cloud Platform (GCP), Azure, Figma
- **AI Technologies**: LangChain, OpenAI Embeddings
- **Relevant Coursework**: Data Structures & Algorithms, Object-Oriented Programming, Computer Networks, Database Management Systems, Operating Systems

PROJECTS

- **Agamify**   **GitHub — Live Demo**: An AI-powered platform for translating, refactoring, and visualizing source code across various codebases, facilitating seamless migration and modernization.
  - Architected a responsive full-stack application utilizing Next.js and Tailwind CSS, directly boosting user engagement by 25% through a streamlined and intuitive interface, enhancing overall user experience. .
  - Implemented backend services with Prisma and MongoDB, optimizing data retrieval for code repositories by 30%.
  - Integrated AI-driven code transformation with LangChain and OpenAI Embeddings, supporting migration across 4+ frameworks and languages.

  Tech Stack: Next.js, Tailwind CSS, Prisma, MongoDB, LangChain, OpenAI Embeddings, Docker, Redis, Stripe, Azure

- **Dhaniverse**   **GitHub — Live Demo**: An Open-World RPG gamifying personal finance for Gen Z through adaptive budgeting tools and real-time gameplay.
  - Engineered a WebGL-based game with Phaser, supporting 1,000+ concurrent players with efficient tilemap rendering.
  - Implemented real-time multiplayer features using WebSockets, enabling a virtual stock market with 5+ tradeable assets, increasing user interaction by 20%.
  - Developed a custom authentication system using Deno and MongoDB, managing 500+ user accounts securely.

  Tech Stack: React.js, TypeScript, WebGL, Phaser, WebSockets, Deno, MongoDB, Tailwind CSS

- **Navirate**   **GitHub — Live Demo**: An indoor navigation platform that provides precise routefinding through complex multistory buildings using geospatial data.
  - Constructed an interactive, multi-floor navigation application utilizing React and Mapbox, accommodating buildings with up to 10 floors.
  - Designed a custom A* algorithm for optimal pathfinding, reducing navigation time by 15% across multi-story environments.
  - Integrated TypeScript for type-safe development, decreasing runtime errors by 40% in geospatial data processing.

  Tech Stack: React.js, TypeScript, Mapbox, WebGL, Deno, GeoJSON

ACHIEVEMENTS

- **HackMol 6.0 Champion (1st place among 16,000+ participants)**: Outperformed **16,000+ participants** from **700+ colleges** nationwide with **Dhaniverse**, utilizing **Phaser game engine**, **WebSockets multiplayer** in real time, and **React.js / TypeScript**.
- **HackTU 6.0 - National Hackathon**: Advanced to **Finals** with **Navirate**. Competed among **5,000+ participants** from **800+ institutions**.

CODING PROFILES

- **LeetCode**: Mastered data structure optimization through **consistent practice** on LeetCode, completing over **830 algorithmic challenges** with a focus on improving **code efficiency** and reducing runtime complexity for optimal performance.

LEADERSHIP EXPERIENCE

- **President - Computer Society of India, Chitkara University**: Led over **30** technical events, engaging **1,000+** students. Mentored **100+** students, improving coding proficiency by **35%**.
- **AI Events Lead - Dialogh**: Spearheaded **5 AI workshops and 2 conferences**, engaging over **200 attendees** and elevating participation by **25%**.
- **Student Web Developer - Google Developer Groups**: Guided **30+ students** in web development, achieving a **15% increase in project completions** and a **10% improvement in coding skills**.
- **NEP Student Ambassador (SAARTHI) - University Grants Commission (UGC)**: Championed the National Education Policy, reaching over **100 participants** through events and public speaking, enhancing awareness by **40%**.