

Jashan Garg

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EDUCATION

Punjab Engineering College, Chandigarh

Expected 2028

B.Tech in CSE (AI), CGPA – 6.24

JEE Mains 2024

April 2024

Rank – 14097

St. Fateh Singh Convent School

March 2024

Senior Secondary Education – CBSE

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS

Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Framer Motion, LangChain, LangGraph

Backend & Cloud: MongoDB, Mongoose, REST APIs, JWT, WebSockets, Socket.io, Cloudinary, Docker, Redis, AWS, Nginx, Microservices, RAG, Vector Databases

Tools & CS: Git, GitHub, VS Code, Chrome DevTools, Render, Vercel, Data Structures, Algorithms, OOP

PROJECTS

Cortex AI - Multi-Platform AI Agent

GitHub

React, Node.js, Express, MongoDB, Redis, LangGraph, Docker, AWS

May – July 2026

- Architected a multi-agent RAG chat platform, decomposing the backend into 5 microservices (Gateway, Auth, Chat, Agent, Billing) communicating via a central Express API gateway.
- Enabled context-aware AI responses by integrating LangGraph agent workflows with Qdrant vector search and Google Gemini/Groq LLMs across specialized chat, search, and coding agents.
- Improved cross-service data consistency and reduced repeated-query latency by 40% using a shared Redis-backed caching and session layer accessed by all 5 services via a common client module.
- Secured authentication and payments with Firebase Auth and Razorpay, and integrated AWS S3 for PDF/PPT storage, containerizing all services with Docker Compose for local development.

Orbit - Social Media Platform

Link | GitHub

React.js, Node.js, Express.js, MongoDB, Docker, JWT, Socket.io, Cloudinary

Dec 2025 – Jan 2026

- Built a full-stack LinkedIn-inspired social platform with JWT authentication, Cloudinary media uploads, and a responsive Tailwind UI for profiles and connections.
- Developed REST APIs for profiles, posts, search, connections and notifications using Mongoose models with middleware-based access control for secure data handling.
- Implemented real-time feed updates for post creation, likes and comments using Socket.io, with paginated infinite scrolling and optimistic UI states.

LEADERSHIP

Execution Body Member, ACM-CSS

July 2026 – Present

- Selected through a competitive interview process; supported ACM-CSS programming initiatives and Orientation Week for 500+ students.
- Mentored 50+ first-year students on Java, DSA and debugging during ACM-CSS programming sessions.

Member, Student Counselling Cell

Sep. 2024 – Present

- Planned outreach activities and interviewed 15+ candidates for 2029 batch recruitment.

ACHIEVEMENTS & PRACTICE

- Achieved a peak LeetCode Contest Rating of 1480 through consistent participation in weekly contests.
- Solved 400+ DSA problems using Java, strengthening arrays, strings, recursion, trees, graphs and dynamic programming.
- Completed an intensive 8-month DSA program focused on problem solving, algorithms and interview preparation.
- Participated in SIH'25, Pecathon and college hackathons, building AI-powered solutions in constrained time.
- Maintained 200+ active coding days and used Git/GitHub for branching, pull requests and collaborative workflows.