Garv Arora

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Second-year CS student who ships production AI and web apps to real users. Production internship experience in QA and full-stack development, building a solo AI automation venture (Lithos·Ops), and operations lead for a 100+ member technical club.

Education

Manipal University Jaipur — Jaipur, Rajasthan
B.Tech in Computer Science & Engineering, CGPA: 8.02 — *2024 – 2028*

Experience

Founder & AI Developer — 2026 – Present
Lithos·Ops, AI Automation — *Delhi NCR / Remote*

- Built an AI-driven cold-outreach automation system (Python, Claude API, Gmail API) with an evidence-gate pattern that blocks any email from being drafted without a verified research signal, running on a scheduled daily cycle.
- Built an internal RAG assistant with grounded retrieval using the Groq API and pgvector, plus n8n and Gmail-API automation pipelines.

AI/ML & Web Development Intern — Jun 2026 – Jul 2026
World IT Dimensional Solutions (WITDS) — *Remote*

- Built and shipped AI-powered features and full-stack web applications end to end.

Operations Head, NEXUS Club — Jul 2025 – May 2026
Manipal University Jaipur — *Jaipur, Rajasthan*

- Directed recruitment and onboarding for a 100+ member technical community, bringing in 20+ freshers per cycle.
- Organised 3 technical workshops and industry speaker sessions, increasing campus engagement across two semesters.

Software Engineering Intern — Jul 2025 – Aug 2025
Khosla Tech Services Inc. — *Remote*

- Executed end-to-end regression testing for the Rate Analyzer service with Postman and JIRA, identifying and documenting 15 defects against expected behavior to reduce defect escape into production.
- Tracked and triaged bugs through the full JIRA workflow within agile sprints, ensuring defects were reproducible and scoped before escalation to senior engineers.

Projects

Moodify | *Python, Flask, React, Vite, Groq LLaMA 3, Spotify Web API* — Live 2026

- Built an AI music recommender that translates natural-language mood input into curated Spotify playlists via LLM-driven query expansion with Groq LLaMA 3.
- Reduced API response latency by 83% (30s to 4–6s) using a token bucket rate limiter and UUID-based playlist caching, improving stability under concurrent load.
- Integrated the Spotify oEmbed player for in-app playlist playback without page redirects.

Deadpixel | *React, Node.js, GPT-4, REST APIs* — Live 2025

- Built a real-time API health monitoring dashboard that uses GPT-4 to detect endpoint failures, diagnose patterns, and surface fix recommendations.
- Implemented a polling-based refresh system with debounced state updates to eliminate redundant re-renders and keep UI smooth under continuous load.

Technical Skills

Languages: Python, JavaScript, Java, C, C++
Frontend: React.js, Vite, HTML5, CSS3
Backend: Flask, Node.js, Express.js, REST APIs
Databases: MySQL, MongoDB, Postgres
AI/ML: LLM Integration, Prompt Engineering, RAG, Embeddings & Vector DBs (pgvector), AI Agents & Automation (Modal, n8n), Evals, Claude API, Groq LLaMA 3, GPT-4
Testing & Tools: Postman, JIRA, Git, GitHub, Linux, VS Code