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Summary

Pre-Final year ECE (CSE Specialization) student at IIIT and active open-source contributor with **30+ PRs (10 merged)** across production codebases. Takes full ownership of changes including root cause analysis, testing, documentation, and reviewer communication in async distributed teams.

Technical Skills

Languages	JavaScript, TypeScript, Python, Java, C, C++, SQL
Frontend	React.js, Next.js, Tailwind CSS, shadcn/ui, Vite
Backend & DB	Node.js, Express.js, MongoDB, PostgreSQL, MySQL, Redis
Cloud & DevOps	AWS S3, CloudFront, Docker, Kubernetes, GitHub Actions, Azure, Git

Open Source Contributions

Learning Unlimited – ESP-Website (GSoC 2026 Organisation)

Feb 2026 – Present

- **22+ PRs** (12 open, 10 merged) across backend, frontend, DB, tests, CI, and configuration. Highlights: accounting refund sign fix ([PR #4945](#)), catalog deadline enforcement ([PR #4791](#)), QSD GUI HTML edge cases ([PR #4666](#)), catalog pages by program tag ([PR #4441](#)).
- Removed Python 2 compatibility code ([PR #4628](#)), added student registration test coverage ([PR #4507](#)), fixed auto-save profile bug ([PR #4588](#)).

OpenROAD – Open-Source EDA Platform (604+ stars)

Mar 2026

- Merged [PR #3961](#): Implemented PRE/POST Tcl hooks across ORFS flow steps (synthesis, floorplan, placement, CTS, routing, final); built hook resolver in util.tcl; updated variables.yaml and regenerated FlowVariables.md – reviewed and merged by core maintainer.

RealDevSquad

Dec 2025 – Mar 2026

- Out-Of-Office (OOO) Request Workflow: Implemented a production-ready flow requiring users to submit an OOO request before directly setting their OOO status, improving validation and admin control ([PR #2526](#)).

Projects

JIITSPHERE – Unified Student Portal

[jiitsphere.com](#)

- Replaces IIIT's 4-5 fragmented portals with one unified interface covering attendance, timetable, grades, exams, fees, notices, and study materials.
- Reverse-engineered undocumented IIIT APIs via a Relay + SDK pipeline that normalizes inconsistent responses into stable contracts; role-based access for admin and student views; AWS S3 material uploads indexed by degree/branch/semester.
- Actively used by **1000+ IIIT students**; eliminates daily context-switching across portals; jsPDF enables on-demand downloadable academic reports.

GetYourGit

- Single hub aggregating all **185 GSoC 2026 orgs** with smart search, tag filters, ideas links, and contributor guidance – eliminating fragmented research across multiple sites.
- PR analytics engine surfaces merge rates, activity timelines, label distribution, and per-contributor heatmaps so applicants can evaluate org health before committing.
- Deployed on AWS S3 + CloudFront with GitHub Actions CI/CD, PWA support, and TTL-caching for sub-second loads.

Gen AI Job Preparation App

- Upload a resume and a job description; Gemini AI cross-analyzes both and returns role-specific interview questions with a skill gap breakdown – not generic questions.
- JWT auth with token blacklisting for fully secure logout; Puppeteer renders AI output as a downloadable ATS-optimized PDF resume.

Education

Jaypee Institute of Information Technology, Noida

Sep 2023 – May 2027

B.Tech, Electronics & Communication Engineering (CSE Specialization)

Leadership & Extracurricular

NSS Vice Chairperson (Aug 2024 – Present): Led **50+ volunteers** in blood donation drives impacting **500+ participants**.

NCC Certificate A & B (2018–2020): Leadership training, parades, and community service.