

Nitant Laheru

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Education

- **Nirma University** Gujarat, India
Bachelor of Technology in Computer Science and Engineering; CGPA: 8.4/10

Experience

- **Jashom Technologies Pvt Ltd** Gandhinagar, India
Software Engineer (Part-time) March 2026 – Present
 - Own **production release engineering** for an **Electron IDE (23 releases shipped): Linux packaging** (RPM, deb), an **auto-update CI/CD** pipeline, and a **Rocky 8** e2e harness (**113** specs).
 - Product entering enterprise deployments at **Dell** and **Together AI**; **OpenAI** demo underway.
 - Built the local **RAG backend: int8-quantized BGE-M3** embeddings benchmarked over **4 precisions**, workspace-scoped grounding with privacy tiers, and **W&B-evaluated multi-LLM provider** support.
 - Architected an interactive **network topology engine** — clustered radial-tree layout with **O(E)** edge rendering over a **multi-source discovery pipeline** (SNMP, Redfish, mDNS, Bluetooth).
 - Led the **Windows port** of the Linux/macOS-only app — fixing PATH/winget detection, SQLite paths, terminal line-endings, **SSH** — plus production fixes for user-reported billing and terminal bugs.
 - Engineering an **AI-assisted CUDA kernel optimization** engine (**69** test modules): oracle-based correctness gating, **Bayesian** benchmarking, **sandboxed nvcc** with anti-cheat audits, a **24-metric Nsight** CI regression gate, and a benchmark corpus adapted from **15 upstream** kernel repos.
- **GreedyGame Media Pvt Ltd** Bangalore, India
Backend Developer Intern November 2025 – February 2026
 - Engineered a cascading fraud-prevention system with **worker pools** and **goroutines** parallelizing recursive **graph**-traversal jobs, cutting fraud attempts ~30% with zero data inconsistency.
 - Orchestrated migration of 5+ core microservices to a **Zanzibar-inspired** IAM architecture, standardizing fine-grained access controls and eliminating security debt platform-wide.
- **Jayatma Technologies Pvt Ltd** Ahmedabad, India
Full Stack Engineering Intern May 2025 – July 2025
 - Delivered an enterprise **CRM & Project Management** platform with finite-state-machine workflows, reducing manual processing by 60% across quotation, procurement, and billing.
 - Developed a scalable web app with **role-based access control (RBAC)** for 5+ user roles, owning the full **SDLC** with automated document processing and **API integration**.

Projects

- **gmux** Github
Rust, Win32 API, GPU Rendering
 - Built a Windows-native **GPU-accelerated terminal multiplexer** for parallel **AI coding agents**: reboot-surviving tmux-style **detach/reattach**, named-pipe scripting API, and OSC hooks firing toasts.
- **afk.exe** Github
Python, FastAPI, React, TypeScript
 - Built a coding-analytics platform end to end: a **FastAPI REST API** with **GitHub OAuth** and per-account data isolation, a **React** analytics dashboard, and a **VS Code extension** streaming live session telemetry.
- **gkey** Github
Rust, Win32 API, Windows Hooks
 - Built **Vimium for the Windows desktop**: modal keyboard-only control via a global low-level hook (**WH_KEYBOARD_LL**) — cursor drive, click/scroll, **hint-mode** overlays, and key remaps.

Achievements

- **MINeD'25 Hackathon**: top 5 of 90+ teams
- **HackNUthon 4.0**: top 6 teams.

Technical Skills

- **Programming Languages**: Python, Rust, Go, TypeScript
- **Frameworks & Libraries**: FastAPI, Flask, Django, Next.js, React
- **Development Tools**: Linux, Docker, Kubernetes, PostgreSQL, Redis, Prometheus, Grafana