

Akshay Nazare

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PROFILE SUMMARY

AI engineer focused on making LLM systems measurable: held-out evaluation sets, deterministic gates around model output, and regression suites that catch failures before users do. Ships daily with Claude Code and reads every line it writes. Open-source contributor with 13 merged PRs across Ceph and Sugar Labs.

EDUCATION

Vishwakarma Institute of Technology, Pune

B.Tech in Computer Science & Engineering (Artificial Intelligence & Machine Learning)

GPA: 9.21

Aug. 2025 – Present

Government Polytechnic, Pune

Diploma in Computer Engineering

Score: 93.80%

Aug. 2022 – May 2025

AI PROJECTS

Magpie | *AI finance workspace — TypeScript, LangGraph, PostgreSQL, AWS*

magpie.akkki.tech

- Built an evaluation set of 11,258 synthetic bank and gateway records with a held-out answer key, scoring the reconciliation engine on precision and match rate rather than spot checks
- Kept the LLM out of the arithmetic: a deterministic matcher (reference, amount, date window, fee tolerance, subset-sum) handles the money maths, and the model only adjudicates ambiguous cases, each re-checked by a TypeScript gate that recomputes the totals and rejects anything that doesn't tie
- Result: **100% precision, zero false matches, 98.6% match rate**, with the remaining 1.4% routed to a human by design
- LangGraph agents write a visible plan, delegate to read-only subagents and stream their reasoning; any write tool halts the run until a human approves

ClearSky | *WhatsApp booking agent — Python, AWS Lambda, DynamoDB*

clearsky.akkki.tech

- Owned the AI model, testing and production deploy for a tool-calling agent that books a baler for a farmer's crop stubble from one Hindi or Punjabi voice note (WeMakeDevs × AWS Environmental Hacks, 4 days, team of 4)
- Built a test harness with a simulated clock and a farmer simulator that records WhatsApp messages instead of sending them; 223 backend tests and 13 Playwright end-to-end runs passed before any Meta or AWS account existed
- Made the LLM swappable across OpenAI, Anthropic, Gemini and Bedrock, with a deterministic rules bot in 4 languages as fallback, and constrained the prompt so the agent never calls an unaccepted offer "confirmed"
- Debugged a flaky CI test that assumed DynamoDB scan order; pinned it to the earliest booking so it checks the behaviour, not the storage order

EXPERIENCE

Technical Architect & Software Engineer (Intern)

Aumiklabs

Jul 2026 – Present

United States, Remote

- Built the real-time sync layer on RociCorp Zero (schema generation, mutations, queries), then hardened mutation grants in a security pass
- Modeled the Drizzle/Postgres data layer (college, batch, alum, roles, privacy) with migration isolation
- Reworked auth from password login to email-OTP with a persona switcher; added S3 object storage

Software Engineer

effiti

Jan 2026 – Jun 2026

Pune, Remote

- Developed GetItDone, an AI HR platform covering onboarding through daily check-in calls, with a voice agent and cross-team KPI dashboards
- Built an AI-powered custom Linux distribution with an intelligent terminal via CUBIC
- Re-engineered a legacy ERP into a double-entry, Odoo-style accounting system by reverse-engineering the existing workflows

OPEN SOURCE

Ceph | *Distributed storage, C++*

7 merged PRs

- Reproduced a CI-only librados SIGABRT by building with CEPH.DEBUG.MUTEX, fixed the lock the monitor pinger asserted on, and confirmed it by A/B relinking: the test went from abort to pass with the other 90 tests unchanged ([#71797](#))
- Traced RGW notification stalls to a hardcoded ownership window and made it tunable, cutting failover from ~90s to 13s ([#70956](#))
- Exposed per-shard queue ownership in `radosgw-admin topic stats`, so operators can find a stalled shard without inspecting each one ([#71092](#))

Sugar Labs | *Music Blocks, sugar-ai — JavaScript/TypeScript, Python*

6 merged PRs

- Benchmarking prompt and filter configurations for sugar-ai, the LLM tutoring service behind Sugar activities, to keep output age-appropriate for young learners
- Fixed an app-wide freeze where projects with truncated block connections hit unbounded recursion on load, with a regression test ([#8684](#))
- Built contextual brick help for the Music Blocks v4 editor, +2.4k lines with tests ([#910](#)); ranked block search by match quality, moving the Note block from 12th of 35 results to first ([#9220](#))

ACHIEVEMENTS

Runner-up, WeMakeDevs × AWS “First Commit” Hackathon

2026

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C++, Java

AI & Agents: LangGraph, Strands Agents, MCP, OpenAI/Anthropic/Gemini/Bedrock APIs, prompt and tool design

Testing & Evals: pytest, Playwright, held-out eval sets, regression suites, simulated clocks and fakes

AI Dev Workflow: Claude Code

Stack: Next.js, Node.js, Django, PostgreSQL, Redis, Docker, Linux, AWS (Lambda, DynamoDB, EC2, RDS, S3, SQS)