

PARI GOYAL

AI and Full-Stack Engineer | Ships Production Systems End to End

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Portfolio | LinkedIn | GitHub

SUMMARY

I find what is costing a team time or money and build the fix, using whatever the problem actually calls for. Sometimes that is an AI pipeline, sometimes it is a database schema. I am the **only engineer** at a capital advisory firm and built their deal platform and website from **nothing to production in three months**. It handles **200+ startup leads** and sat underneath an **INR 20 Cr** client fundraising mandate. I would rather ask a question early than build the wrong thing.

SKILLS

AI and Agentic Systems: LLM application development, Claude API, OpenAI API, Claude Code, prompt engineering, tool calling and function calling, agent workflow design, prompt evaluation harnesses, human-in-the-loop guardrails, n8n, retrieval-augmented generation (RAG), semantic chunking, embeddings and vector retrieval, LangChain, LangGraph, FastAPI

Software Engineering: Next.js, React, TypeScript, JavaScript, Python, Java, Node.js, SQL, REST APIs, database schema design, PostgreSQL (Supabase), MongoDB, deployment on Vercel

Product and Growth: Problem framing, MVP scoping, funnel instrumentation, CRM design, SEO and GEO, email infrastructure, market research, content systems

Fundamentals and Tools: Data Structures and Algorithms, OOP, DBMS, Operating Systems, Computer Networks, Git and GitHub, Docker, Vercel, Stripe

EXPERIENCE

Technology and Operations Associate (Software and AI Engineering), Akro Ventures | Apr 2026 - Present

- Built the firm's entire digital infrastructure, a Next.js deal-management platform on Supabase and the company website, from **nothing to fully operational in three months**.
- Replaced a manual spreadsheet deal process with a system covering public intake, CSV bulk upload, Claude API deal analysis, and a tokenized approval workflow. **200+ startup leads** processed, and it is the system the firm ran through an **INR 20 Cr** fundraising mandate.
- Found corporate email security scanners auto-triggering approval links by pre-fetching them during phishing checks. Moved approval from a GET request to an authenticated POST confirmation.
- Built a daily content pipeline that cut **roughly 10 hours a week** of content production, and fixed the site's near-zero search visibility with per-route metadata, JSON-LD structured data, and an llms.txt file.

Agentic AI Intern, Oyelabs | Feb - Apr 2026

- Built production AI agents for client projects on n8n, Supabase, and the Claude and OpenAI APIs.
- Built an evaluation harness for them: a prompt framework that ran SOP cross-checks with pass / fail criteria before any workflow executed, saving the manager **a full day each week** of manual validation, and kept documentation clean enough that handoffs actually worked.

Marketing and AI Automation Intern, Halo Interiors LLC | Nov 2025

- Automated cross-platform video processing with Claude and n8n agents, covering download, metadata extraction, captioning, and CSV / Markdown generation.
- Tested Convex, Supabase, and Firebase to find what would hold at scale, and documented what broke so the next person did not start from zero.

PROJECTS

RoleFit, Retrieval Over the Job Descriptions I Applied To | Live at [rolefit-wine.vercel.app](#) | FastAPI, LangGraph, pgvector

- I kept getting skill-mismatch rejections without being told which skill, so I put the job descriptions into Postgres and asked them. Retrieval is hybrid: pgvector embeddings for meaning, Postgres full-text for rare exact tokens like a framework name, fused by reciprocal rank fusion so two incomparable scores never need a weight between them.
- A LangGraph state machine grades its own retrieval, rewrites the query when the chunks come back thin, and says the corpus does not cover it rather than inventing an answer. Deployed on Vercel behind FastAPI, with an eval suite gating on deterministic citation validity, because an LLM judge scored my correct answers 0 out of 4 until I found the harness bug feeding it the wrong input.

AI Job Search Outreach Platform | Next.js, Claude API, Supabase

- I was losing **4 to 6 hours a day** to manual cold outreach, so I built something to do it. Company research and drafting now take **under 10 minutes** a day.
- Facts about my background are locked in code, so the model writes each pitch but cannot invent a credential. Addresses are verified through Hunter.io and an MX check before anything sends, follow-ups fire on day five on their own, and a dashboard breaks the results down by industry, city and channel.

AI Lead Qualification and Quotation Pipeline | n8n, Supabase, Stripe, LLM API

- A form submission kicks off email verification, a Supabase check for duplicates, then an AI pass that scores the lead hot, warm or cold. Every step logs so somebody else can pick it up.
- Quotations get drafted by the model and held at a manager approval gate before Stripe bills anyone. A human confirms before money moves.

EDUCATION

B.E. Computer Science and Engineering, Thapar Institute of Engineering and Technology (TIET), Patiala | 2022 - 2026