G.L.K. Abhiram Reddy

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Bengaluru, India

Portfolio | LinkedIn | GitHub

Professional Experience

AI Intern Mar 2026 – Aug 2026

Chesney Enterprises Private Limited

Joined a small engineering team with end-to-end ownership of internal and customer-facing software.

- Scaled a centralized digital signage CMS to 200+ screens across 50+ clients, handling emergency broadcasts alongside scheduled content, with a sliding-window media caching layer, TanStack Query-based data optimization, and a zero-downtime migration from the legacy system with Firestore indexing and multi-tenant RBAC.
- Processed 100+ client quotes and invoices daily for the finance team, with automated PDF generation and version history that cut invoice edit-and-revision time by 60%.
- Replaced paper-based inventory logs with a real-time digital audit trail across 20+ sites, tracking 300+ tools and consumables with PostgreSQL Row-Level Security — eliminating lost/missing-item incidents entirely, down from a recurring 15+ under the old system.

Product Lead & Engineer (Entrepreneurship Cohort) Feb 2026 – May 2026

PrintQ

Built PrintQ around a problem I identified in my second year: customers waited in line not to print, but simply to submit files and communicate preferences.

- Eliminated order intake at the counter for 4 print shops by moving file submission, print configuration, and job tracking into a digital storefront — cutting average order intake time from 15 minutes to 2 minutes across 20+ customers and 20+ jobs processed.
- Separated cloud-based order management from printer execution using a lightweight Windows daemon to securely run print jobs locally, keeping the execution layer simple, recoverable, and easy to update.
- Ensured trustworthy print execution through secure end-to-end document delivery, atomic job dispatch, per-printer job serialization, and automatic restoration of printer settings.

Selected Projects

IncidentIQ

Autonomous Incident Investigation & Grounding Engine

Analyzes distributed cloud logs to diagnose root causes using grounded AI reasoning.

Tech Stack: Python • Hybrid RAG (BM25 + Dense) • SentenceTransformers • Langfuse • Streamlit

- Built a hybrid RAG pipeline fusing custom BM25 and dense vector embeddings via RRF (100% hardware recall vs. 0% dense), powering a multi-step ReAct agent that autonomously queries telemetry to isolate root causes.
- Created an automated LLM evaluation framework with citation auditing to eliminate hallucinations (100% provenance score), integrating Langfuse for end-to-end latency and token cost tracing.

Pact

Privacy Policy & Terms of Service Analyzer

Built after noticing people routinely accept Terms of Service and Privacy Policies without understanding what rights they're giving away.

Tech Stack: Chrome Extension Manifest V3 • JavaScript • Gemini Pro API

- Turned lengthy legal documents into structured, searchable insights, helping users understand key clauses before deciding whether to trust a service.
- Improved response consistency through prompt engineering and structured output design, enabling configurable summaries and contextual Q&A.
- Embedded structured summaries and AI chat directly into the browser via a Chrome extension.

Technical Skills

Languages: Python, TypeScript, JavaScript, Java, SQL, C | **AI:** Google Gemini API, Hybrid RAG, Multi-Step AI Agents, Prompt Engineering, Structured Outputs, Langfuse

Frontend: React, Next.js, Vite, Tailwind CSS, HTML, CSS | **Backend:** Node.js, Express.js, REST APIs, JWT Authentication, RBAC

Databases: PostgreSQL, MongoDB, Firebase, Supabase | **Data Science:** NumPy, Pandas | **Cloud & DevOps:** Google Cloud Run, Docker, Git, GitHub

Achievements

- **Winner** — Smart India Hackathon 2024, India's flagship national innovation challenge.
- **3rd Place (Special Mention)** — Polygnan YouStart for pitching PrintQ, a print-shop workflow platform.
- **Top 6 Finalist** — HappyFox GenAI Hackathon for developing Teachify, an AI-powered lecture preparation platform.
- Published research paper in **IEEE Xplore** through the IECCT Conference.

Education

CMR Institute of Technology 2022 – 2026

B.E. Information Science & Engineering Bengaluru, India | CGPA: **8.53** / **10.00**