

Aravindan TR

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SUMMARY

AI / Software Engineer with 2+ years building production multi-agent systems with measurable business impact. Expert in LLM orchestration, RAG, agentic harnesses, and evaluation — proven at taking agents from prototype to reliable, externally-facing products. Seeking to build AI-native products end-to-end.

EXPERIENCE

Atlan Feb 2024 – June 2026
Software Engineer II, AI India

- Built **Nora**, an AI support-automation system on Zendesk using LangGraph, LLMs, and RAG over Glean for doc-grounded triage, specialist sub-agent routing, and human-escalation workflows — now deflecting **75 tickets/month** (up from 18), unlocking 15–20% support capacity and **\$60K–\$100K** in projected annual savings at scale
- Built **Mothership's ticket-to-PR flow**, a LangGraph + Claude Code pipeline (Linear → Harness API → Cloudflare sandbox) that autonomously clones repos, implements changes, and opens review-ready GitHub PRs — lifted first-pass functional correctness **~2x** (≈40% → ≈75% of expected functionality on benchmark QA)
- Built the **Metrics Glossary Agent** on the deep agents framework to auto-discover KPIs from BI tools and SQL lineage, convert them into governed business metrics, and publish a tenant-wide glossary with lineage, formulas, and documentation — cut metric documentation **effort by 70%** with an AI-driven workflow running at tenant scale within measurable quality and cost bounds
- Built the **Description Agent** in Atlan's Context Agents platform, auto-generating plain-English documentation for tables and columns by learning from data lineage and real usage patterns — documented **700K+ data assets** across 50 enterprise customers in 14 days with **90%+ user acceptance**, roughly **450x faster** than manual writing, saving an estimated 110K hours

PROJECTS

AI Mail Client github.com/aravindsriraj/ai-mail-app
Next.js 16, TypeScript, LangGraph, FastAPI, CopilotKit (AG-UI)

- Full-stack AI Gmail client where a Python LangGraph agent drives the React UI via natural language — composing, navigating, filtering, and reading email
- Built on a tools-on-the-frontend design: agent binds browser-side actions and live context over CopilotKit's AG-UI protocol, with Gmail OAuth kept server-side, deployed on Vercel

Conversation Canvas github.com/aravindsriraj/conversation-canvas
Next.js, TypeScript, tldraw, Speechmatics, Gemini

- Voice-first thinking canvas that turns spoken decisions, plans, and problems into a live, typed graph of cards and relationships on a tldraw canvas, refinable by voice or chat in real time
- Built two AI surfaces — a passive voice orchestrator and a multi-step chat agent — over a shared Zod-validated action vocabulary, backed by a Postgres long-term memory layer

AI Voice Receptionist github.com/aravindsriraj/ai-voice-receptionist-agent
Python, FastAPI, Gemini Live API, Twilio, Google Calendar, Firestore

- Real-time AI voice receptionist for clinics — callers talk naturally by phone or browser; agent checks live calendar availability, books appointments, and sends email/WhatsApp confirmations with automated reminders
- Built on Google ADK with a custom audio bridge (μ-law ↔ PCM) for Twilio telephony, with booking on the critical path for truthful confirmations and background messaging for instant replies

TECHNICAL SKILLS

Languages	Python, TypeScript, JavaScript, SQL, Node.js
Agentic & LLM	LangGraph, LangChain, Deep Agents, CrewAI, CopilotKit (AG-UI), Vercel AI SDK
LLMs & Techniques	Claude, GPT, Gemini; RAG, multi-agent orchestration, tool calling, structured outputs, evals (Braintrust)
Backend & Data	FastAPI, Next.js, React, WebSocket, REST APIs, Postgres, Zod, Snowflake, Sigma, Mixpanel
ML & Infra	PyTorch, TensorFlow, scikit-learn, Docker, Kubernetes, CI/CD, Cloudflare, Vercel, MCP servers
Dev Tools	Claude Code, Codex, Cursor, GitHub Copilot, n8n, Zapier

EDUCATION

Vellore Institute of Technology July 2019 – Aug 2024
M.Tech, Computer Science | GPA: 7.9/10 Chennai, India

AWARDS

Winner — Mission 5: The Hunt for Vector Jan 2025
StarTree Mission Impossible

- Built an AI agent that converts natural-language queries into Apache Pinot queries for real-time e-commerce clickstream analytics