VISHAL RAVI

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Work Experience

Conde Nast Technology Lab **Aug 2023 - Present**
Software Engineer 1 *Bengaluru*

- Owned the recommendation components (**React**, **Node.js**) on Condé Nast's multi-tenant, server-rendered publishing platform, which serves 27 brands in 7 regions.
- Automated the monthly commerce report with **Python**, Databricks and the OpenAI API, turning about a day of manual work into an hour of review. It runs as a Kubernetes cron job, stores drafts in AWS S3, and goes to stakeholders on Slack after an analyst signs off.
- Built a **LangGraph** agent that answers data questions in plain English with numbers and charts, using Qlik and Databricks as tools and RAG over example question-SQL pairs for accuracy.
- Shipped a no-code dashboard builder in **React** and TypeScript that cut new dashboard turnaround from about a week to under an hour.
- Built the frontend for an internal analytics app on Qlik and MongoDB data, with views that drill from brand down to individual articles.
- Combined 5 business verticals into one dashboard (**Nebula.js**, Tailwind CSS) so stakeholders check one view instead of 5 separate reports.
- Programmed **Snowplow** eligible and served events to recommendation tracking, giving the team a funnel from eligible to served to viewed to clicked that shows where recommendations drop off.

Achievements

- **Winner**, Condé Nast Hackathon 2025: built the first version of the conversational analytics agent, which I then developed into an internal tool.
- Rated **Exceeding Expectations**, the highest performance tier, in the 2025 year-end review at Condé Nast Technology Lab.

Personal Projects

Brudy **github.com/brudy**

- **Multi-tenant RAG service**. Each tenant uploads onboarding docs and gets an isolated chat endpoint they can share.
- Built the **RAG pipeline** in **LangGraph** on **OpenAI embeddings** with **pgvector** retrieval inside **PostgreSQL**. The pipeline ingests PDF, DOCX and TXT files asynchronously.
- Implemented **9 backend services** behind **23 FastAPI endpoints**, with Clerk for auth, webhook sync into PostgreSQL, and PostHog for funnel tracking.
- Integrated **Stripe billing** (checkout, portal, signed webhooks) with **per-query cost tracking**, rate limits per subscription tier, and a **daily token cap** so one user can't run up the bill.

Technical Skills

Languages: JavaScript, TypeScript, Python

Frontend: React, Next.js

AI / LLM: LangChain, LangGraph, RAG, LLM evaluation, OpenAI API

Cloud & Infra: AWS, Kubernetes

Education

Vellore Institute of Technology **Vellore, India**
B.Tech in Computer Science and Engineering *Jul 2019 - May 2023*

Certifications

AWS Cloud Practitioner, Amazon Web Services

Advanced React, Meta