Shourya Agrawal

📍 Pune, Maharashtra, India ✉ shouryaagrawal2806@gmail.com
🌐 Portfolio in LinkedIn GitHub

Education

Vellore Institute of Technology, Chennai **July 2024 – Present**
B.Tech. in Computer Science Engineering GPA: 9.17/10

Technical Skills

Frontend: React.js, Next.js, TypeScript, Tailwind CSS
Backend: Node.js, Express.js, PostgreSQL, MongoDB
Cloud & DevOps: Google Cloud Platform, Docker, Vercel, Terraform
AI & Infrastructure: Vertex AI, Claude API, Pinecone, LangGraph, LangChain, Inngest

Experience

Daira Edtech **July 2025 – Present**
Full-Stack Development Intern

- Architected and built core dashboard using **Next.js** and **TypeScript**, managing complex state and data flow across multiple interactive components.
- Designed and shipped an onboarding flow projected to improve profile completion rates by **15%**.
- Developed a gamified streak system with **Tailwind CSS** UI improvements that enhanced user engagement metrics.

Projects

🔗 ⚙ Saral Vakeel: AI legal document analyzer with RAG

- Built with Next.js, Google Cloud, Document AI, Vertex AI (Gemini), ChromaDB, and Terraform.
- **Automates legal document extraction, risk analysis, and summarization**, reducing manual review time by **75%**.
- Implemented scalable serverless architecture with **RAG-ready embeddings** for intelligent document processing.

🔗 ⚙ LifeOS: AI personal knowledge vault

- **AI-powered personal knowledge management system** built with Next.js, Prisma, PostgreSQL, and Claude Sonnet 3.
- **Auto-categorizes** user input into ideas, tasks, and notes with intelligent organization.
- Integrated Inngest for **background AI workflows** and **vector embeddings**, improving LCP from **12s to under 2s**.

🔗 ⚙ DropVault: Real-time collab workspace

- **Unified collaboration platform** built with React.js, Node.js, Supabase, Tiptap, and Socket.IO.
- Features **real-time collaborative editing**, secure file storage with Supabase Buckets, and **sandboxed code execution**.
- Implemented **conflict resolution** using optimistic updates and server-side validation for secure uploads.

Clubs & Leadership

Open Source Programming Club, VIT Chennai **May 2025 – Present**
Development Lead

- Lead a 40+ member dev team, building club platforms including the recruitment portal and multiple hackathon websites.
- Organized web development workshops and competitions, mentoring students through hands-on projects.