

Sourov Das

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SUMMARY

Full-Stack Developer and AI Engineer building AI agents, RAG systems, and production-ready web applications. Experienced with Next.js, TypeScript, Node.js, Supabase, LangChain, and LangGraph for developing end-to-end AI products. Passionate about LLM engineering, workflow automation, and scalable SaaS applications.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python

Frontend: React, Next.js, Tailwind CSS, Shadcn UI, TanStack Query

Backend: Node.js, Express.js, PostgreSQL, Supabase, Prisma, MongoDB

AI & LLM: LangChain, LangGraph, OpenAI API, Anthropic API, Groq, Ollama, RAG Architecture, AI Agents, Prompt Engineering, Qdrant

Tools & Platforms: Git, GitHub, Linux, Docker, Vercel, Antigravity

Professional Development: RAGAS, MCP, LangSmith, LLM Evaluation, PyTorch, Transformers, Fine-Tuning, Synthetic Data

PROJECTS

Google Workspace AI Agent | AI-powered productivity assistant enabling users to manage Gmail and Google Calendar through natural language commands.

- Developed multi-step LangGraph agent workflows with tool orchestration, ReAct-style reasoning, and context aware decision-making.
- Integrated Gmail, Google Calendar, and Tavily Search to automate email management, scheduling, and real time information retrieval.

Repository: github.com/sourov808/google-workspace-agent

RAG Chatbot Platform | Retrieval-Augmented Generation platform allowing users to create and query custom knowledge bases from uploaded documents.

- Built document ingestion, embedding, and semantic retrieval pipelines with scalable vector search architecture.
- Integrated Qdrant, Ollama, Groq, and Google GenAI to support both local and cloud-based LLM deployments.

Repository: github.com/sourov808/rag_chatbot

EduStream LMS | Modern Learning Management System designed for students and instructors with complete learning workflows.

- Implemented authentication, role-based access control, course management, enrollment, and progress tracking features.
- Developed responsive interfaces and robust form validation using Next.js, Tailwind CSS, Shadcn UI, React Hook Form, and Zod.

Repository: github.com/sourov808/fullstack-lms | Live Demo: fullstack-lms-omega.vercel.app

AREAS OF INTEREST : AI Agents • Multi-Agent Systems • LLM Engineering • Retrieval-Augmented Generation (RAG) • Developer Tools • Workflow Automation • SaaS Applications • Full-Stack Product

EDUCATION

Swami Vivekananda University, Kolkata, India Kolkata, India *Bachelor of Computer Applications (BCA)*
2024–2028 | Currently Enrolled