

SARTHAK

Computer Science and Engineering
Bengaluru, India
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PROFESSIONAL SUMMARY

Backend-focused Full Stack Developer building **applied AI systems** with a focus on **AI reliability, guardrails, and observability**, alongside production web applications. Experienced with **Node.js, Python/FastAPI, and databases**, focused on building reliable backend and AI services.

EXPERIENCE

• Web Developer – Lebeda Marcom And Creative Studio

Nov 2025 – Present

Bengaluru, India

- Built and delivered 5+ client websites end-to-end using **Node.js, React.js, Next.js**, and **Tailwind CSS**, handling development, integration, and deployment.
- Developed a **full-stack finance platform** using **TypeScript, React, Express, and PostgreSQL**, implementing **REST APIs, JWT authentication, RBAC** for financial and document workflows with **PDF generation**.
- Developed **Node.js backend workflows** for a live client platform, supporting booking approvals, user registration, automated email notifications, and **MongoDB** data persistence with **Google Sheets** synchronization.

PROJECTS

• ShopSense - E-Commerce Customer Support System [\[GitHub\]](#) [\[Live\]](#)

- Engineered a **Multi-Agent LangGraph** system using **Python, FastAPI, Pydantic** and **MCP**, with dedicated order-action tools, triage, escalation, and human-in-the-loop approval.
- Built a **hybrid RAG pipeline** using **Qdrant** dense + **BM25** retrieval, **Reciprocal Rank Fusion (RRF)**, and cross-encoder reranking; added **LLM-as-judge** validation for grounded responses.
- Built **reliable, scalable AI workflows** with **LiteLLM, Langfuse** observability, **circuit breaking**, and **retry/backoff** for production-ready agent execution and monitoring.

• Log Drain - Log Observability Platform [\[GitHub\]](#) [\[Live\]](#)

- Built a full-stack **log observability platform** using **Node.js/Express, PostgreSQL, Redis, and React**, with **project-scoped API key authentication** and hybrid keyword + semantic search using **pgvector**.
- Designed a **LangGraph tool-calling agent** with 4 tools for log search, statistics, anomaly detection, and service lookup, backed by a **FastAPI** anomaly-detection microservice and real-time **SSE response streaming**.
- Built a **Redis-buffered ingestion pipeline** with **reliable PostgreSQL inserts** and **worker coordination**; load-tested for **high-volume log ingestion** and deployed to **AWS EC2** with **Docker Compose**.

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages:** JavaScript, TypeScript, Python, C++
- **Frameworks & Technologies:** React.js, Next.js, Node.js, Express.js, FastAPI, REST APIs, JWT, RBAC, LangGraph, RAG, Langfuse, MCP, PostgreSQL, MongoDB, Redis, Vector Search
- **Tools & Platforms:** Git, GitHub, Docker, AWS EC2, Postman, VS Code

EDUCATION

• Bachelor of Engineering - Computer Science and Engineering

Chandigarh University, Punjab

CGPA: 8.05

2021 – 2025

CERTIFICATIONS

- **Applied AI Professional Certification Program – Indian Institute of Technology Hyderabad** [\[Link\]](#)