

SIDDHARTH KUMAR RAI

Full-Stack Developer | Agentic AI & GenAI Engineering

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Delhi, India

SUMMARY

Full-stack developer and Agentic AI engineer building production web applications and GenAI systems with React, Next.js, Node.js, TypeScript, and Python. Hands-on experience designing multi-agent workflows with LangChain, LangGraph, and Retrieval-Augmented Generation (RAG) over vector databases, deployed as independent microservices with FastAPI. BCA (IGNOU) with freelance and internship experience across ecommerce, IoT, and AI-integrated product systems.

EXPERIENCE

Electronics & IoT (Freelance)

Feb 2025 – Present

acreativestudios | Delhi, India

Software / Electronics and IoT

- Built **Node.js backend services** and contributed to **Next.js frontend architecture** for hardware-integrated product systems.
- Developed integration flows between backend logic, **AI-enabled workflows**, and user-facing product interfaces.
- Worked across product layers instead of a single stack segment, from APIs and data handling to UI delivery.

Web Development Intern

Mar 2025 – Jun 2025

Arivation Fashiontech Pvt. Ltd. (Arista Vault) | Delhi, India

IIIT Delhi Innovation & Incubation Centre

- Contributed to web development for a **fashion-tech ecommerce platform**, shipping frontend features using JavaScript-based web technologies.
- Worked on feature implementation, interface cleanup, and day-to-day product development tasks in a startup environment.
- Supported backend API development, server-side logic, and debugging for product features in an early-stage environment.

PROJECTS

SkillsLMS – Agentic AI Learning Management System

[Live Demo](#) | [Source Code](#)

- *Stack: MERN, TypeScript, Python, FastAPI, LangGraph, RAG, ChromaDB, Razorpay*
- Built a full-stack **Learning Management System** (MERN + TypeScript) with student and teacher dashboards, course management, and **Razorpay** payment integration.
- Designed a multi-agent **GenAI chatbot service** (Python, FastAPI, **LangGraph**) with **RAG** over **ChromaDB**, deployed as an independent microservice for scalable, decoupled AI inference.
- Implemented **JWT-based authentication**, role-based access control, and **Cloudinary**-backed media delivery using **Redux Toolkit** for state management.

Lumenskart Ecommerce

[Live Demo](#) | [Source Code](#)

- *Stack: Next.js, Clerk, MongoDB, CMS*
- Built a production-style **Next.js ecommerce platform** with storefront, account flows, admin CMS, and analytics.
- Implemented **role-based admin protection** using **Clerk** and designed a **CMS-driven hero carousel** and content system.

EDUCATION

Indira Gandhi National Open University

Delhi, India

Bachelor of Computer Applications (BCA), Computer Software Technology

Jul 2023 – Jul 2026

TECHNICAL SKILLS

Agentic AI / GenAI : LangChain, LangGraph, Retrieval-Augmented Generation (RAG), Multi-Agent Systems, ChromaDB (Vector Database), Model Fine-Tuning, Prompt Engineering, OpenAI API, FastAPI

Languages : JavaScript, TypeScript, Python, C++, SQL

Frontend : React, Next.js, Redux Toolkit, HTML, CSS, Tailwind CSS, Responsive UI

Backend : Node.js, Express.js, FastAPI, REST APIs, JWT Authentication, Microservices

Databases & Tools : MongoDB, MySQL, ChromaDB, Git, Postman, Vercel, Render, Cloudinary, Razorpay, Clerk