

SHASHANK SAHU

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EDUCATION

Ajay Kumar Garg Engineering College, Ghaziabad
B.Tech in Computer Science & Engineering

2022 – 2026
CGPA: 8.67/10

City Montessori School, Lucknow
Class 12th

2022
97%

PROJECTS

Synthetic Dataset Generation & RAG Evaluation Framework

[Link](#)

Automated platform to generate synthetic datasets and evaluate RAG systems using LangGraph

- Engineered an agentic AI pipeline using FastAPI and LiteLLM to autonomously generate complex, domain-specific synthetic data, utilizing LLM-based feedback loops to ensure high data diversity and quality.
- Integrated Ragas and Opik for automated multi-metric evaluation (Faithfulness, Context Recall, etc.), featuring a custom Python SDK and a real-time monitoring dashboard for end-to-end RAG observability.

Udgaar Festival Portal

[Link](#)

Large-scale youth festival portal for IIYC handling 15,000+ registrations and 1,000+ coordinators

- Integrated Razorpay payments, QR-based attendance, automated emails, OAuth, role-based authentication (admin/state-admin/master-admin), SEO optimization, and V2 reCAPTCHA for security.
- Built an AI Event Assistant using LangChain to automate support queries, event information retrieval, and coordinator guidance using Retrieval-Augmented Generation (RAG) and vector embeddings.
- Deployed on Linode and AWS (S3, CloudFront CDN) with Nginx, SSL, UFW, and Redis caching, optimized for SEO and scalability.

SaatPherasWorldWide

[Link](#)

NRI-focused matrimonial platform with matchmaking, chat, calling, push notifications, and subscriptions

- Developed a scalable full-stack system with Node.js, Express, MongoDB, React, Socket.IO, Twilio, Agora, Redis, Firebase, and AWS (EC2/S3); integrated LLM-powered chatbots for client support.
- Implemented real-time chat, video and audio calling, fast auto-suggestions, AI-driven solutions, and CI/CD via GitHub Actions for production deployment.

WORK EXPERIENCE

Dailoqa

Jan 2026 – Present

Associate AI Engineer Intern – Full Time

Noida, India

- Built and deployed agentic AI workflows using LangChain, LangGraph, and AutoGen; developed multi-model autonomous agents with memory, tool-use, and orchestration for real-world financial services use cases.
- Engineered AI solutions including deep research pipelines, DynamoDB persistence, cloud deployment (AWS/Azure), observability, and AI governance, enabling scalable and production-ready data-driven systems.

The Heion Group

May 2025 – Sep 2025

Full Stack Developer Intern

Canada-based (Remote)

- Built and maintained production-grade web applications with Stripe payments, Agora video/audio calls, and AI model integration from DataCove AI using React.js, Node.js, Express.js, and MongoDB.
- Deployed applications on AWS and collaborated via Git/GitHub with CI/CD pipelines.

ISKCON Tech Team

Jan 2024 – Dec 2025

Software Developer Engineer

Ghaziabad, India

- Designed system architectures, developed features, deployed services, and maintained high-traffic websites and event portals for ISKCON Ghaziabad and IIYC, supporting 38,000+ users during peak events.

SKILLS

Languages: C++, Python, SQL, JavaScript

AI / ML: LangChain, LangGraph, AutoGen, RAG Systems, AG-UI, MCP, LiteLLM, Ragas

Backend & DBs: FastAPI, Node.js, Express.js, PostgreSQL, MongoDB, Redis, Firebase, DynamoDB

Cloud & DevOps: AWS (EC2, S3, CloudFront), Azure, Docker, CI/CD, Nginx, GitHub Actions

Other Tools: Postman, Swagger, React.js, Socket.IO, Twilio, Agora, Flutter

ACHIEVEMENTS & CERTIFICATIONS

- Ranked **Top 10 in hackCBS 7.0**, one of India's largest MLH hackathons; participated in multiple hackathons and workshops including the **NVIDIA** Workshop on Fundamentals of Deep Learning.
- Solved a wide range of Data Structures & Algorithms problems on LeetCode and other competitive coding platforms.
- As Senior Coordinator at Team Conatus, mentored **100+ juniors** in app development and backend technologies.