

KRISHAL KARNA

Full-Stack AI Engineer · Generative AI Developer · Data Analyst

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EDUCATION

Jain (Deemed-to-be) University

B.E. Computer Science & Engineering · CGPA: 9.4/10 (Top 2% of batch)

2023 – 2027

Bangalore, India

TECHNICAL SKILLS

AI / GenAI: LLM Applications, RAG Systems, LangChain, LangGraph, FAISS, Vector Databases, Prompt Engineering, Embeddings

Full-Stack: Next.js, React, FastAPI, TypeScript, REST API Integration, Sandpack, Streamlit

Automation: n8n (workflow automation, API integrations, multi-step AI pipelines)

Languages & Databases: Python, SQL, PostgreSQL, MySQL, Snowflake

Data & Analytics: Pandas, NumPy, Machine Learning, ETL, Power BI, Statistical Testing, A/B Testing

Tools & Platforms: Git, GitHub, Vercel, Railway, Jupyter Notebook

WORK EXPERIENCE

Data & AI Analyst Intern

Jan 2026 – Mar 2026

Mahalaxmi Tech Group Pvt. Ltd.

Remote

- Analyzed structured business data using SQL and Python to surface performance trends, delivering actionable insights that supported data-driven decisions across operations and sales.
- Built interactive Power BI dashboards consolidating multi-source KPI metrics; adopted across 3 departments for weekly operational reviews.
- Automated recurring data validation and reporting workflows, reducing manual effort by ~40% and improving consistency across quarterly business reports.

LEADERSHIP EXPERIENCE

Technical Team Lead

Oct 2025 – Apr 2026

Enigma Club, Jain University

Bangalore, India

- Led the club's technical team across events and initiatives, coordinating developers and managing project execution from planning through delivery.
- Organized technical workshops and coding events, and mentored junior members on project execution and technical planning.

PROJECTS

Luma AI Studio | Next.js, FastAPI, LangGraph, Gemini, PostgreSQL | Live · GitHub

Jun 2026

- Built a full-stack AI coding agent that generates and incrementally edits React components from natural-language prompts, using a LangGraph tool-calling loop backed by Gemini, with live in-browser preview via Sandpack.
- Implemented persistent multi-turn session history (PostgreSQL + SQLAlchemy) and GitHub OAuth-based repository push; deployed end-to-end on Vercel and Railway.

BookMandu | Next.js, Prisma, PostgreSQL, Tailwind, Vercel AI SDK | Live · GitHub

Apr 2026 – Jun 2026

- Built a multi-vendor book marketplace with seller onboarding (identity verification + admin approval), real-time stock management, and a delivery-gated review system; deployed on Vercel with a custom domain.
- Integrated an AI chat assistant (Vercel AI SDK) for book recommendations and discovery, alongside JWT-based auth, Redis caching, and Cloudinary-backed featured listings.

AI-Powered CSV Analysis Agent | Live · GitHub

Feb 2026 – Mar 2026

- Built a conversational AI analytics application enabling natural-language querying over any CSV dataset, with a FastAPI inference layer handling dynamic schema inference and real-time chart generation via Streamlit.
- Deployed on Streamlit Cloud with optimized prompt engineering achieving sub-2s response latency on datasets up to 100K rows.

Production-Grade Retail SQL Analytics | GitHub

Dec 2025 – Jan 2026

- Analyzed 1M+ sales records using CTEs, window functions, and hypothesis testing (A/B, t-tests at 95% CI), identifying pricing optimizations driving a 6–9% statistically significant sales uplift.

ACHIEVEMENTS & CERTIFICATIONS

EdCIL COMPEX Scholar — Merit-based scholarship from the Government of India, covering full undergraduate tuition; selected from thousands of global applicants for academic excellence and leadership.

HackerRank Advanced SQL · Coursera Python for Data Science, AI & Development · IBM SkillsBuild Data Fundamentals · Google

Cloud Generative AI · IBM Applied AI

Full certifications: krishalkarna.com.np