

Krishna Jain

+91 9267924499 | jainkrishna1502@gmail.com | krishnajain.tech | github.com/KRISHNA-JAIN15

PROFESSIONAL SUMMARY

High-performing Computer Science student with expertise in building scalable web applications and distributed systems. Proven ability to engineer production-grade full-stack solutions through rigorous internships and complex projects.

EDUCATION

- Indian Institute of Information Technology (IIIT), Sri City** Aug 2023 - Present
Bachelor of Technology (Hons) in Computer Science and Engineering; GPA: 9.3
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Architecture, Database Management Systems (DBMS), Probability & Statistics, Cloud Computing, High Performance Computing.

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, Python, Java, SQL, HTML5, CSS3
- Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, FastAPI, Flask, GraphQL, TailwindCSS, LangChain
- Databases & Infrastructure:** MongoDB, PostgreSQL, Redis, MySQL, Prisma ORM, Apache Kafka, Docker, Celery
- Tools & Cloud:** AWS (EC2, Lambda, S3, SES), Oracle Cloud, GitHub Actions (CI/CD), NGINX, Git, Postman

EXPERIENCE

- Soundverse AI** Remote
Software Development Engineer (SDE) Intern Feb 2026 - May 2026
 - Engineered a multi-modal chat architecture and core microservices for generative AI pipelines, enabling automated song insights, script-to-video scene assembly, and parallel tool execution.
 - Architected an AWS SES telemetry system integrated with BigQuery to track real-time email analytics (bounces, rendering failures, clicks), surfacing actionable metrics via a custom admin dashboard.
 - Built and shipped a multi-tenant Workspace platform with Stripe billing and an Invite to Earn token economy. Optimized AI agent reliability by implementing auto-retry backoff mechanisms to ensure seamless streaming.
- Renew Energy** On-Site
Model Developer and Optimization Intern July 2024 - Aug 2024
 - Devised and validated novel computational models to optimize energy output, utilizing rigorous data analysis to inform algorithmic improvements.
 - Built dynamic execution pipelines that automatically select the most effective models based on varying input parameters, enhancing processing efficiency.

PROJECTS

- Feasto**   Feb 2026
A hyper-local food delivery marketplace connecting Customers, Restaurants, and Riders
 - Engineered a robust **microservices monorepo** (10+ services) using **Docker** and **Apache Kafka**, enabling complex workflows like real-time order tracking, rider dispatch, and seamless status updates.
 - Built a high-performance API gateway with **GraphQL** and **Redis** caching, achieving **35% lower latency**. Integrated **Razorpay** for payments and **MapBox API** for live geospatial tracking.
 - Established **GitHub Actions CI/CD** pipelines for automated, zero-downtime deployments to **Oracle Cloud** servers, hosting dual **React 18** dashboards and routing traffic via **NGINX**.
- Nutrify**   Jun 2026
An AI-native nutrition and fitness platform with agentic workflows and distributed cloud infrastructure
 - Architected a full-stack wellness platform using **FastAPI**, **React 18**, **MongoDB Atlas**, and **Docker**, delivering personalized nutrition coaching, meal tracking, workout management, and progress analytics.
 - Implemented an **MCP-powered agent framework** exposing 20+ specialized tools for nutrition estimation, meal planning, hydration tracking, workout generation, goal monitoring, and real-time web-assisted recommendations.
 - Deployed a distributed **microservice ecosystem** across **Oracle Cloud** VMs with **Redis**, **Celery**, **SSE streaming**, and Azure OpenAI, supporting automated workflows, scheduled report generation, and low-latency conversational AI experiences.
- Envy**   Dec 2025
A centralized environment variable management platform ("Git for .env")
 - Developed a **MERN stack** dashboard for centralized secret management, enabling **granular access control**, audit logging, and version history to track configuration changes.
 - Architected a secure CLI agent with **AES-256** encryption and **process injection** (zero disk persistence); published on **PyPI**, reducing team onboarding time by **50%**.

ACHIEVEMENTS & LEADERSHIP

- Co-Lead at Epoch (Machine Learning Club, IIIT Sri City):** Led the design and execution of ML-based projects while organizing technical workshops and hackathons to foster a culture of AI innovation and mentorship on campus.
- Secured **2nd Runner Up** in the AgriAI Hackathon (Abhisarga' 25) organized by IOTA IIIT Sri City.
- Authored two research papers — **"A Potential-Field Guided Chaotic Opposition-Based Sparrow Search Algorithm for Global Optimization"** and **"A Topological Data Analysis Framework for EEG-Based Stress Classification"** — selected at **IEEE Conecct 2026**.