

Krishna Gupta

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Summary

Data Science B.Tech student and aspiring Data Scientist, AI/ML Engineer, LLM Engineer, Data Engineer, and Software Engineer. Experienced in Full Stack Development, REST APIs, and workflow automation, with hands-on expertise in conducting LLM evaluation, prompt engineering, and data quality assurance to deliver robust, production-grade solutions.

Technical Skills

Programming: Python, SQL, JavaScript, C++

AI & Machine Learning: PyTorch, TensorFlow, Scikit-learn, Machine Learning, Deep Learning, Natural Language Processing (NLP), Large Language Models (LLMs), LLM Evaluation, Prompt Engineering, Feature Engineering

Data Engineering: Pandas, NumPy, ETL Concepts, Data Validation, Data Processing, Workflow Automation, Data Quality Assurance

Web & APIs: FastAPI, Flask, React.js, Node.js, Express.js, REST APIs, JWT Authentication

Databases & Tools: PostgreSQL, MySQL, Supabase, Git, GitHub, Docker, Postman, Linux, VS Code, AWS

Development & AI Tools: Software Development Life Cycle (SDLC), Agile Methodology, Object-Oriented Programming, Problem Solving, ChatGPT, Gemini, Claude, Perplexity, Antigravity

Education

Oriental Institute of Science and Technology
Bachelor of Technology (B.Tech) in Data Science

Bhopal, Madhya Pradesh, India
2023 – 2027

Experience

Ethara AI

Remote

LLM Post Training Intern (Paid Internship)

Feb 2026 – May 2026

- Evaluated 50,000+ Large Language Model (LLM) outputs via rigorous prompt evaluation and model evaluation, improving AI response quality and ensuring robust data validation and processing.
- Developed Python automation scripts and workflow automation pipelines for post-training LLM evaluation, enhancing data quality assurance and technical documentation in cross-functional team collaborations.

Kanchan Pvt Ltd – Web Development Wing (Sapphire)

Remote

Full Stack Development Intern (Paid Internship)

Oct 2025 – Feb 2026

- Engineered and deployed the full-stack architecture of "RevU Social" (revu.social) utilizing React.js, Node.js, Express.js, and REST APIs with secure JWT authentication.
- Designed and optimized relational databases in MySQL and PostgreSQL, utilizing GenAI-assisted development to accelerate API integration and database design.

Projects

RevU Social – Full-Stack Review & Analytics Platform

Oct 2025 – Feb 2026

Technologies: React, Node.js, REST APIs, MySQL, PostgreSQL

revu.social

- Architected a responsive full-stack review management web application using React.js and Node.js to enhance user engagement.
- Designed database schemas in MySQL and PostgreSQL, writing optimized SQL queries and indexing strategies to ensure high data integrity.
- Programmed secure REST APIs with Express.js and JWT authentication for robust user session management and frontend-backend communications.

KALKI 1.5 – Enterprise Intelligence Operating System (IOS)

2024 – Present

Technologies: Python, PyTorch, LLMs, VLMs, Autonomous Multi-Agents, Hybrid RAG, Defensive Cybersecurity

github.com/KGupta171025/KALKI-1.5

- Architected and implemented "KALKI 1.5", an Enterprise Intelligence Operating System integrating LLMs, Vision Language Models (VLMs), and autonomous multi-agent workflows.
- Developed a hybrid Retrieval-Augmented Generation (RAG) pipeline to optimize search accuracy and context processing speeds across diverse datasets.
- Engineered agentic safety protocols and defensive cybersecurity mechanisms to secure multi-agent communication networks and model environments.

RNN Poetry Generation

github.com/KGupta171025/RNN_Poetry_Generation

Technologies: Python, PyTorch, RNN, Text Generation, Sequence Modeling

- Developed a character-level text generation model in Python using PyTorch, implementing Recurrent Neural Networks (RNN) and sequence modeling.
- Created data processing and tokenization pipelines for raw text datasets, optimizing model hyperparameters to generate coherent poetic outputs.

Certifications

- **AWS Certified Developer Associate** (Infosys Springboard, Jun 2026) **Machine Learning with Python** (IBM SkillsBuild, Jun 2026)
- **Data Science & Analytics** (HP LIFE, Jun 2026) **Deloitte Australia Data Analytics Job Simulation** (Forage, Sep 2025)
- **Tata Data Visualisation: Empowering Business with Effective Insights** (Forage, Sep 2025)

Relevant Coursework

Data Structures & Algorithms • Database Management Systems • Operating Systems • Computer Networks • Machine Learning • Software Engineering • Data Mining • Data Analytics