

Kshitij Kumrawat

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PROFESSIONAL SUMMARY

An innovative and results-driven AI/ML Engineer specializing in the development of cutting-edge data solutions. Proven ability to architect and deploy intelligent systems using Large Language Models, Generative AI, and advanced Agentic AI frameworks like LangGraph. Adept at transforming complex technical challenges into scalable, efficient, and user-centric AI applications.

WORK EXPERIENCE

DBlytics

Saskatoon, Saskatchewan, Canada (Remote)

AI/ML Intern

Mar 2025 - June 2025

- Engineered and integrated advanced AI automation features into core SaaS products, enhancing operational efficiency by **30%** and elevating the user experience.
- Designed and deployed conversational AI agents that successfully resolved **40%** of common user queries without human intervention, leading to a **15% increase** in user engagement.

WebMobi360 B2B AIML Solutions

(Remote)

AI/ML Intern

July 2024 - Oct 2024

- Architected a dynamic question-generation engine for the AI Talent Quest platform using LLMs, driving a **25% lift** in user interaction with personalized training modules.
- Co-developed a live voice AI interview agent that simulated realistic interview scenarios, contributing to a **30% improvement** in positive user feedback.

SKILLS

Core AI Skills: Machine Learning, Deep Learning, NLP, RAG, Agentic AI

Languages: Python, C++

Frameworks & Libraries: LangGraph, LangChain, TensorFlow, PyTorch, Scikit-learn, FastAPI, N8N

Developer & MLOps Tools: Docker, AWS EC2, ECR, Git, GitHub Actions, VS-code, MLflow

PROJECTS

Talk2Database | [GitHub](#) | [Live](#)

- Developed a sophisticated AI agent that empowers users to query SQL databases using natural language, significantly reducing data retrieval complexity.
- Engineered the application's backend with LangGraph, FastAPI and LLM to create a agentic system, ensuring highly accurate translation of conversational language into precise SQL queries.
- Automated the entire CI/CD pipeline and deployed the scalable application on AWS using Docker and GitHub Actions.

ClariDoc - Professional Document Q/A Platform | [GitHub](#) | [Live](#)

- Developed an enterprise-grade Q&A platform to solve the critical business challenge of extracting precise information from dense, domain-specific documents (e.g., legal, insurance, IT).
- Engineered and implemented a novel hybrid RAG search strategy that boosted information retrieval accuracy by over 20% through advanced metadata filtering.
- Leveraged Pinecone vector database for high-speed semantic search and utilized LangSmith to rigorously evaluate and fine-tune the RAG pipeline's performance.
- Automated the entire CI/CD pipeline and deployed the scalable application on AWS using Docker and GitHub Actions.

EDUCATION

RGPV University, India

2022 – 2026

Bachelor of Technology in Computer Science and Engineering, CGPA: 7.5

XII (Science)

2021 – 2022

90% aggregate

PROFESSIONAL CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Data Science Professional - [link](#)

Oracle Generative AI Professional - [link](#)