

Krishnendu Chatterjee

PYTHON DEVELOPER

✉ krishchatterjee2001@gmail.com | 📞: +919330379838 | [Linkedin](#) | [Github](#)

West Bengal, Kolkata

Objective

Engineer with a strong foundation in Python, Machine Learning, and Data Workflows, now transitioning into LLMOps and Intelligent Agent Systems. Skilled in building agentic workflows, RAG pipelines, and integrating vector databases with open-source LLMs. Passionate about designing scalable AI solutions and deploying state-of-the-art generative AI frameworks in real-world applications.

Skills

Programming Languages: Python, SQL, Java, Shell Scripting.

Libraries & Frameworks: LangChain, DSPy, Scikit-learn, FastAPI, NumPy, Pandas, Matplotlib.

Vector Databases: FAISS, ChromaDB.

LLM Tools: Ollama, OpenAI, vLLM.

Other Tools: VS Code, Git, Jupyter Notebook, MS Excel.

Soft Skills: Problem solving, Active listening, Teamwork, Adaptability, Critical thinking.

Experience

Greenhorn Wellness Pvt Ltd

June 2025 - Present

- Oversee the evaluation of user-generated content, enforcing platform policies to maintain a positive digital space.
- Performed real-time content moderation across digital platforms, ensuring adherence to community standards and regulatory frameworks.
- Audit and track content trends to identify emerging risks and user behavior patterns.

Genpact | Process Associate

Oct 2023 - Sept 2024

- Monitored and analyzed client data processes, ensuring alignment with performance and compliance standards.
- Conducted content moderation and data quality filtering based on predefined community guidelines.
- Collaborated with cross-functional teams to improve workflows and enhance service efficiency.
- Maintained documentation and reports, contributing to decision-making and risk mitigation.

Projects

Intelligent Agent Workflow for Data Retrieval

- Designed agentic pipelines using Python and LangChain to query and summarize structured/unstructured datasets.
- Integrated Chroma as a vector database for efficient semantic search.
- Optimized workflow using RAG (Retrieval-Augmented Generation) techniques to improve context-aware responses.

LLM Deployment with Ollama

- Experimented with open-source LLMs (Llama, Qwen) for question answering and document summarization.
- Deployed locally using Ollama.

Speech Emotion Recognition (Bengali Corpus)

- Developed a machine learning system to detect emotions from speech using Python, PRAAT, and GMM.
- Used PRAAT for audio recording and feature extraction. Created a UI using Flask.
- Published research on IEEE website.

House Pricing Prediction

- Created a regression-based machine learning model to predict house prices using various features such as location, size, number of rooms, etc.

Spam Detection System

- Implemented NLP-based spam classifier using TF-IDF & Naive Bayes for email/text filtering.

Education

Maulana Abul Kalam Azad University of Technology, B. Tech

2023

Major: Electrical | CGPA: 8.76/10