

RAMAKANT KAUSHIK

Data Scientist | Gurgaon, India

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Professional Summary

Passionate AI professional and data scientist with a strong math foundation. Skilled in building intelligent, automated AI systems using machine learning, deep learning, NLP, and generative AI to turn complex data into actionable insights.

Core Competencies

Machine Learning & AI:

- Supervised & Unsupervised Learning, Ensemble Methods, Predictive Modeling, Model Evaluation, Feature Engineering, AI, RAG (Retrieval-Augmented Generation)

Deep Learning:

- Neural Networks (ANN, CNN, RNN, LSTM, GRU), Transformers, Autoencoders, Transfer Learning, Hyperparameter Tuning, TensorFlow, PyTorch, Keras

Natural Language Processing (NLP) & Generative AI:

- Text Preprocessing, Sentiment & Emotion Analysis, Named Entity Recognition (NER), Chatbot Development, LangChain, LangGraph, GPT / LLM Applications, Hugging Face Transformers, Model Fine-Tuning

Data Analysis & Statistics:

- Exploratory Data Analysis (EDA), Data Cleaning, Regression & Classification, Statistical Modeling, Hypothesis & A/B Testing, Dimensionality Reduction (PCA, t-SNE)

Programming & Databases:

- Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), SQL, MongoDB, HTML

Data Visualization & Reporting:

- Power BI, Matplotlib, Seaborn, Plotly

Professional / Soft Skills:

- Strategic Thinking, Effective Communication, Adaptability, Growth Mindset, Problem Solving, Collaboration

Professional Experience

Research Associate – Keywords Studios, April 2025 – September 2025

- Trained advanced AI agents for a confidential AGI project, maintaining over 92% accuracy on complex tasks.
- Supported model fine-tuning, alignment, and evaluation across multimodal inputs, improving model consistency, logical reasoning, and adaptability.
- Applied statistical methods and performance metrics to optimize agent evaluation and outcomes.

Data Science intern – AAM Infotech Pvt. Ltd. | October 2024 – March 2025

- Experience in Machine Learning, Deep Learning, and NLP projects, including recommender systems and predictive modeling.

Academic History

Data Science Professional Course – Ducat India, March 2024 - March 2025

Bachelor of Science (Physics, Chemistry, Mathematics) – KLP College, IGU University, 2020 – 2023 | 70.6%

Senior Secondary & Secondary Education – RMS Sr. Sec. School, Mohindergarh | 90%+

Projects

YouTube Transcript Chatbot (RAG-based)

- Developed a RAG-based chatbot using Python, LangChain, GPT-4o-mini, and FAISS for interactive conversations on YouTube transcripts.
- Implemented automated transcript extraction, semantic text chunking, and context-aware Q&A using vector embeddings.

Multimodal Emotion Chatbot

- Built a personal chatbot that detects emotions from facial, vocal, and textual cues using OpenFace, Wav2Vec2, and BERT.
- Enables real-time emotion recognition and adaptive mood-based conversations.

Movie Recommendation System

- Developed a personalized movie recommender using collaborative filtering, content-based filtering, and NLP-based review analysis.
- Enhanced recommendation accuracy and user experience through feature engineering and model optimization.