Sahil Kumawat

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SUMMARY

Passionate about Artificial Intelligence and Machine Learning with a strong focus on Generative AI applications, including RAG systems, intelligent agents, and Langhian. Skilled in Prompt Engineering, Deep Learning (CNN, RNN, ANN, LSTM), and Python for building innovative AI-driven solutions.

EDUCATION

University of Engineering & Management Jaipur   2022 – 2026
- B.Tech - Computer Science and Engineering; CGPA: 7.5
- Specialization in Artificial Intelligence & Machine Learning

Higher Secondary Education   APR
- Rajni Public Sr Sec School, Chomu (RBSE - 70%)   2022

Secondary Education   MAR
- Adarsh Vidhya Mandir ,Dhawali (RBSE - 73.50%)   2020

Rajasthan State Certificate in Information Technology   MAR
- Vardhman Mahaveer Open University, Kota (RS-CIT – 75%)   2020

EXPERIENCE

Tata Group Data Analytics Job Simulation on Forage   AUG 2025
- Designed an AI-driven collections strategy leveraging agentic AI and automation.
- Conducted exploratory data analysis (EDA) using GenAI tools to assess data quality, identify risk indicators, and structure insights for predictive modeling

Tech Team Member   0CT 2024
E-CELL
- Organized 5 entrepreneurship events, driving student engagement, speaker coordination, and event logistics to foster innovation and startup culture

PROJECTS

HealthCare Chatbot System   JAN 24
- Developed a responsive AI-powered chatbot using Python, Flask, and NLP techniques to provide instant medical guidance for 20+ diseases, featuring a user-friendly HTML/CSS Interface

WhatsApp Chat Analyzer   FEB 25
- Developed an interactive web app to analyze WhatsApp chat data, providing insights on message statistics, activity patterns, busiest periods, top contributors, emoji usage, and sentiment analysis.
- Implemented data visualization using Python and NLP techniques for enhanced user behavior understanding and automated chat insights.

RAG - based Chatbot System   JUNE 25
- Developed an intelligent document-aware assistant using Retrieval-Augmented Generation (RAG) that processes PDF/TXT files, generates concise summaries, and answers context-based questions
- Optimized performance using a lightweight open-source Falcon-7B model, ensuring offline functionality with efficient memory utilizatio

SKILLS

Programming & Data Science:	Python,C,java , Deep Learning (CNN, RNN, ANN), LSTM, Langchain ,LLM, NLP ,Transformers
Tools/Technologies:	GitHub, n8n workflow, Zapier, Google Collab, Ollama
GenAi:	LangChain, Agents, Prompt Engg, Vector DB
Core Concepts:	DSA, OS, CN, DBMS, LLMs
Libraries:	Pandas, NumPy, Matplotlib, Streamlit

CERTIFICATIONS/COURSES

Coursera: Programming for everybody (Getting started with Python), Introduction to NLP and Syntactic Processing, Introduction to Deep Learning & Neural Networks. with Keras