

HARSH PILANIA

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Hapur, Uttar Pradesh - 245101, India

SUMMARY

Data Science graduate with hands-on experience in leveraging Python, SQL, and machine learning to solve complex problems and generate actionable insights. Skilled in building AI-powered applications, including LLM-based and RAG systems, to enhance decision-making and streamline processes. Passionate about translating data into meaningful strategies, exploring emerging AI technologies, and delivering impactful solutions that drive measurable business value.

EXPERIENCE

- Cognizant Technology Solutions** April 2025 - August 2025
Digital Analytics Internship Coimbatore, India
 - Collaborated with a team on a project to analyze website traffic, focusing on data analysis and building insightful dashboards using Google Analytics.
 - Worked with tools like Python, SQL, Power BI, Looker Studio, and Excel to derive business insights.
 - Successfully delivered the project by transforming raw data into actionable insights through interactive dashboards.

EDUCATION

- Ajay Kumar Garg Engineering College** November 2021 - June 2025
B.Tech in Computer Science and Engineering (Data Science) Ghaziabad, India
 - GPA: 8.4/10.00
- Dewan Public School** July 2020
Higher Secondary Education (12th CBSE) Hapur, India
 - Grade: 93.5%

PROJECTS

- NotesAI – Smart Learning Assistant** August 2025
Tools: Streamlit, LangChain, FAISS, OpenAI Embeddings, Llama, Groq, OpenAI Whisper, PyPDF2, YouTube Transcript API [\[🔗\]](#)
 - Developed a multi-source AI learning platform in Streamlit that transforms YouTube videos, web pages, and PDFs into an intelligent tutoring system with conversational memory.
 - Implemented RAG architecture with FAISS, OpenAI embeddings, and Groq LLMs to enable contextual Q&A, automated summarization, and quiz generation.
 - Built a scalable content processing pipeline by integrating Whisper, YouTube Transcript API, and session management for real-time interactive learning.
- ResumeMatchAI: Smart ATS Evaluation** September 2025
Tools: Python, Streamlit, LLaMA 3.3, PyPDF2, LangChain [\[🔗\]](#)
 - Built an interactive resume analysis platform in Streamlit that evaluates resumes against job descriptions and provides ATS compatibility scores.
 - Implemented RAG architecture with FAISS, OpenAI embeddings, and LLaMA to enable skills gap detection and personalized career advice.
 - Integrated PyPDF2 for parsing, LangChain for retrieval, and a chatbot interface to deliver real-time feedback on strengths, weaknesses, and optimization tips.

SKILLS

- Programming:** Python, SQL
- Machine Learning & AI:** Scikit-learn, LangChain, RAG Systems, Generative AI
- Natural Language Processing:** Text Processing, Transcript Extraction, Embeddings
- Data Analytics & Visualization:** Pandas, Matplotlib, Power BI, Looker Studio
- Database:** MySQL, FAISS Vector Databases
- AI Platforms:** ChatGPT, Claude AI, Google Gemini, Groq, OpenAI

CERTIFICATIONS

- Generative AI: LangChain & Hugging Face** [Udemy](#) September 2025
- IBM Data Science:** [Coursera](#) January 2024
- Databases for Data Scientists:** [Coursera](#) February 2024
- Google Analytics for Beginners:** [Google](#) April 2024