

Chirag Solanki

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EDUCATION

Dr.D.Y.Patil Institute Of Engineering Management and Research

Pune, MH

Bachelor of Engineering in Artificial Intelligence and Data Science.

July 2021–Aug 2025

Honors: Data science

SKILL SUMMARY

Data Science Skills : Python,Machine Learning,Computer vision,NLP, Generative AI, LLM, RAG,Ai-Agents

Libraries : Pandas, NumPy, Matplotlib, Plotly, Seaborn, BeautifulSoup, Scikit-learn, Selenium, Open-CV, Ultralytics, Transformers,Tesseract.

DataBases : SQL , Vector DB, Pinecone , Chroma DB, Faiss.

Tools : PowerBI , Git, Github , VS Code, PyCharm ,Jupyter notebook ,Excel , Roboflow.

Frameworks : Flask , Streamlit , Chainlit, Langchain , LLama-index ,Langflow.

EXPERIENCE

Data Science Intern

Dec 2023-Jan 2024

Bharat Intern

Remote

- **House Price Prediction** - Built a scalable machine learning model for predicting house prices, showcasing expertise in data analysis and solution development.
- **Sms classifier** - Developed a robust text classification model to effectively categorize SMS messages as spam or non-spam.

PROJECTS

🌐 **Travel Assistant Chatbot** | *Mistral AI,HuggingFace,Streamlit,Langchain*

- Built **Yatra-Sevak.Ai**, a travel assistant chatbot using MistralAI, Langchain, Hugging Face, and Streamlit, solving 80% of common travel planning challenges.
- Handles flight and hotel bookings, rental car arrangements, destination information, travel tips, weather updates, local attractions, and crisis management. Offers multilingual support and customer service.

🔗 **Smart Data Analyst Tool** | *Pandasai,Codegamma, Machine Learning , Streamlit,ollama*

- Developed an AI Data Analyst tool that enables users to interact with datasets via a chat interface, offering a seamless way to explore and analyze data.
- Implemented an automated smart data analysis feature that performs tasks such as data cleaning, preprocessing, feature extraction, and model building from CSV uploads, streamlining data workflows and making advanced analytics accessible to users.

🔗 **Text-To-Sql-Retriver app** | *Genai, streamlit, python-dotenv , Gemini*

- Text to SQL Queries Retriever app is a Gemini-based model using a tech stack like google-generativeai, streamlit, and python-dotenv.
- This application saves users 80% effort and time by efficiently generating SQL queries based on user prompts.

🔗 **Chat with PDF** | *Llama 3,Huggingface, RAG System, PDF Parsing ,streamlit*

- Developed a RAG system using the Llama 3 model that allows users to interact with and query PDF documents through a chat interface, simplifying document analysis and information retrieval.
- Enabled users to extract specific information, summarize content, and gain insights from PDFs in a conversational manner, enhancing the accessibility and usability of document-based data.

PUBLICATIONS

🌐 **Build a Travel Assistant Chatbot with HuggingFace, LangChain, and MistralAI**

- This article offers a comprehensive guide on the evolution from Tourism 3.0 to 4.0, including a step-by-step tutorial on building an LLM chatbot for free and deploying it on Hugging Face Space.

ACHIEVEMENTS AND AWARDS

- **Blogathon:** Second Runner up with a cash prize of Rs 6,000.(Published Article on Travel Assist Bot)
- **IIT Bombay LLM Hackathon :**Achieved 9th rank (built a Taxi Inquiry ChatBot in just 60 mins)
- **Hacktoberfest :**Recognized for outstanding contributions by completing 5 high-quality pull requests.