

JAY LIYA

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Data Science
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CAREER SUMMARY

Motivated and detail-oriented individual with a strong foundation in Data Science, Machine Learning and Generative AI concepts. Proficient in Python programming, data analysis, and problem-solving, with hands-on experience gained through academic and project-based work. Demonstrates effective communication and teamwork abilities developed through collaborative environments. Eager to contribute to innovative, data-driven solutions and grow professionally in the field of Data Science and Artificial Intelligence.

TECHNICAL SKILLS

Languages: Python, SQL

Tech Stack: Machine Learning, Deep Learning, NLP, GenAI, Agentic AI, Vector Databases, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, Spacy, NLTK, Gensim, Fasttext, Flask, Streamlit, LLMs, RAG, Sentence Transformers, LangChain, Agno, ChromaDB, Fine Tuning, Prompt Engineering, Jupyter Notebook, Cursor, VS Code, Git

EDUCATION

B.E. | Computer Engineering | Sal Institute of Technology and Engineering Research

May 2025

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PROFESSIONAL EXPERIENCE

INTERN DATA SCIENCE | Petpooja | Ahmedabad, Gujarat

Jan 2025 – June 2025

Petpooja is a leading restaurant management platform used by thousands of restaurants across India and abroad, offering services like billing, inventory, CRM, and online order integration.

- Worked on cleaning, analyzing, and visualizing data to help improve business decisions.
- Learned how data science is used in the restaurant and food-tech industry.
- Worked with teams to understand and solve real-world problems using data.
- Gained practical experience in applying data science in a fast-paced, real-world business environment.

PROJECTS

Insurance Policy Q&A Agent

July 2025

- Tools:** Python, streamlit, Groq, HuggingFace, Chroma, PyPDF2, Langchain
- Description:** An intelligent chatbot application that helps users understand their insurance policies by answering questions based on the uploaded policy document. Built with Streamlit, LangChain, and Groq LLM.

Fake News Detection

June 2025

- Tools:** Python, numpy, pandas, matplotlib, seaborn, scikit-learn, tensorflow, keras, spaCy, genism (Word2Vec), NewsAPI
- Description:** A deep learning-based web application that analyzes news articles and predicts whether they are real or fake using Natural Language Processing (NLP) and Word2Vec embeddings.

Real Estate Price Predictor

May 2025

- Tools:** Python, numpy, pandas, matplotlib, seaborn, scikit-learn, Flask, HTML, CSS, joblib
- Description:** A machine learning web application that predicts real estate prices in Bangalore, India based on location, area, number of bedrooms (BHK), and bathrooms.

Book Advisor

April 2025

- Tools:** Python, numpy, pandas, matplotlib, seaborn, scikit-learn (cosine_similarity), Flask, HTML, CSS, joblib
- Description:** The Book Advisor is a sophisticated book recommendation system that utilizes both Popularity-Based and Collaborative-Filtering Based Recommender Systems to provide personalized book suggestions.

TRAINING AND CERTIFICATIONS

GenAI (Codebasics) | AI for Students (NXTWAVE) | AI Aware (Intel, Digital India) | PowerBI Workshop (Petpooja) | Tableau Workshop (Petpooja) | Internship of Python (TechNishal)