

Dhvanit Yadav

+91 8154015101 | dhvanityadav123@gmail.com | [LinkedIn](#) | [GitHub](#) | [MangoLassi.in](#)

Botad, Gujarat- 364710, India

EXPERIENCE

• AI Trainee

September 2025 - March 2026

[THE ZEROONE TECH LABS LLP.](#)

Bhavnagar, India

- Architected a scalable enterprise automation layer using n8n, developing 10+ end-to-end AI-driven workflows that abstracted complex business logic, content pipelines, and multi-provider API/webhook integrations; successfully engineered event-driven systems that reduced manual operational workload by 60-70%.
- Engineered stateful, multi-actor LLM applications utilizing LangGraph and LangChain, deploying a highly capable RAG-based conversational agent; implemented advanced tool-calling protocols and integrated a persistent SQLite backend for memory management and dynamic state tracking across complex multi-turn user interactions.
- Developed a Human-in-the-Loop (HITL) LinkedIn CRM & AI Pitching pipeline combining headless browser automation (Python/Playwright), Supabase for centralized data management, and generative AI to safely scale outbound sales without triggering anti-bot algorithms.
- Designed and deployed a custom Telegram-based Personal AI Assistant, establishing a unified interface for real-time task execution, database querying, and automated workflow monitoring.
- Collaborated closely with senior/lead engineers and forward-deployed engineers to design, implement, and deliver scalable SDK solutions across multiple production releases.

• Data Science Intern

July 2025 - July 2025

[Dev Train Labs.](#)

Bhavnagar, India

- Engineered a Machine Learning-based Tumor Detection System, successfully navigating the end-to-end ML lifecycle from initial data acquisition to final model evaluation.
- Executed comprehensive exploratory data analysis (EDA), data cleaning, and advanced feature engineering to extract critical medical insights and ensure high-quality model inputs.
- Trained, optimized, and rigorously evaluated multiple classification models, successfully improving predictive accuracy and overall system reliability for complex diagnostics.

PROJECTS

• (HITL) LinkedIn CRM & AI Pitching Agent

Tools: [Python, Playwright, n8n, Supabase, Apify, LLMs]

GitHub [[🔗](#)]

- Faced with the challenge of inefficient manual outreach and strict anti-bot algorithms, I set out to build an intelligent outbound CRM agent capable of streamlining the lead-pitching workflow.
- Leveraging n8n for data orchestration, Supabase for centralized state management, and Apify for real-time lead extraction, I developed a Human-in-the-Loop (HITL) pitching assistant that safely handles initial connection requests, autonomously tracks acceptance statuses via headless Playwright scripts, and generates context-aware messages to seamlessly dispatch pitch decks — delivering a high-volume, ban-resistant sales pipeline.

• Movie Recommendation Engine

Tools: [Python, Scikit-Learn, Pandas, NLTK, Streamlit, TMDb API]

GitHub [[🔗](#)]

- Engineered a machine learning-based recommendation system leveraging natural language processing (NLTK) and Scikit-Learn to accurately compute cosine similarity matrices across complex movie feature datasets.
- Deployed an interactive and user-friendly web application using Streamlit, seamlessly integrating the TMDb REST API for real-time visual metadata extraction and delivering highly personalized, dynamic movie suggestions.

• "SteY" - AI Personal Assistant Agent

Tools: [n8n, ElevenLabs API, Gmail API, Google Sheets API, LLMs]

GitHub [[🔗](#)]

- Engineered a fully functional, voice-and-text activated AI personal assistant capable of autonomous daily planning, leveraging n8n to orchestrate complex natural language workflows.
- Integrated ElevenLabs for advanced voice synthesis and the Gmail API to seamlessly read, contextualize, draft, and dispatch emails entirely through conversational commands.
- Developed a dynamic data management pipeline utilizing Google Sheets as a lightweight backend, enabling the agent to autonomously query, update, and restructure database records based on user intent.

• **Deep Research Agent for Multi-Article Analysis**

Tools: [Python, LangChain, Streamlit, FAISS, HuggingFace, Gemini, Local LLMs]

GitHub [🔗]

- Engineered an advanced Retrieval-Augmented Generation (RAG) system to autonomously ingest, chunk, and analyze multiple web articles simultaneously, delivering deep, context-aware answers to complex queries.
- Architected a scalable data pipeline using HuggingFace sentence-transformers to generate semantic embeddings, persisting them in a local FAISS vector database for rapid similarity search.
- Enhanced retrieval precision by implementing a Contextual Compression Retriever with an LLM-based Chain Extractor to filter out irrelevant data, deploying the solution via an interactive Streamlit UI with modular support for both cloud (Gemini) and local (Mistral/Ollama) generative models.

TECHNICAL SKILLS

- **Programming Languages:** Python
- **Mathematics:** Linear Algebra, Probability&Statistics, Calculus
- **Machine Learning Libraries:** Scikit-learn
- **Generative AI:** RAG, LangChain, LangGraph, Agentic Workflows, Crew AI
- **Data Analysis and Visualization:** Pandas, NumPy, Matplotlib, Seaborn
- **Systems, Concurrency & Networking:** FastAPI
- **Database Management:** SQL, Vector Databases, Supabase
- **Cloud Technologies & DevOps:** Docker
- **Version Control & Tooling:** Git, GitHub, Jupyter Notebook, Google Colab, Kaggle

EDUCATION

Gujarat Technological University,

Bachelor of Engineering (BE) | Information Technology

◦ CGPA: 8.11

September 2022 - May 2026

Ahmadabad, India