

Arya Yemul

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EDUCATION

B.Tech

Vishwakarma Institute Of Information Technology • Pune • 2023 – 2027 • 8.86/10

Senior Secondary (XII)

Nowrosjee Wadia Junior College • Pune • 2023 • 81.67%

Secondary (X)

Hume McHenry Memorial High School • Pune • 2021 • 88.33%

SKILLS

Python, C++, HTML, CSS, JavaScript, Node.js, MySQL, MongoDB, TensorFlow, PyTorch, scikit-learn, Keras, NumPy, pandas, matplotlib, seaborn, FastAPI, Docker, Power BI, LangChain, Hugging Face Transformers, Supervised & Unsupervised Learning(ML Models), NLP, Computer Vision.

PROJECT

Music Recommendation System

September 2025 – September 2025

- Feature Engineering, k-means, cosine-similarity methods to build a music recommendation system on Spotify data.

Plant Disease Prediction

September 2025 – September 2025

- Engineered a convolutional neural network leveraging TensorFlow and advanced data augmentation techniques to classify plant health status, enabling accurate detection across multiple disease categories.

Autonomous Data Analyst AI Agent

August 2025 – September 2025

- Developed an Autonomous Data Analyst AI Agent in Python using LangChain, NLP, and RAG to automate data preprocessing, EDA, and visualization.
- Generated plain-English insights and professional PDF reports, enabling faster, context-aware decision-making.

Medical Bot

August 2025 – August 2025

- Developed a RAG-based medical chatbot using LlaMA-3.3 (70B) via Groq for answering healthcare-related queries.
- Implemented PDF ingestion using PyPDFLoader, Directory Loader, and text chunking using Recursive Character TextSplitter using HuggingFace embeddings with Pinecone vectorDB for semantic search and retrieval.
- Used LLM prompt.

Career Guidance Chatbot

February 2024 – March 2024

- Developed a RAG-based bot for career-related questions with the use of llm, langchain, and an embedding model.
- Used a Random forest model for salary prediction.
- Used live scraping for job finding based on skills.

Life Expectancy

February 2023 – March 2023

- Developed a dashboard on life expectancy using Power BI tools. Build a frontend using HTML and CSS.

CERTIFICATIONS

PowerBI

udemy, Virtual • Feb 2023 – Apr 2023