

# Jaya Patil

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## Education

VIT Bhopal University – B.Tech in Computer Science – CGPA: 8.54

Bhagwan Mahavir International School – 12th Grade – CGPA: 8.5

Sungrace School – 10th Grade – CGPA: 8.6

## Technical Skills

Languages: Python, C++, HTML, CSS

Frameworks & Libraries: LangChain, Streamlit, FAISS, scikit-learn, Plotly

Databases: SQL

Concepts: OOPS, DBMS, Operating System, DSA

ML & AI: Hugging Face models, SentenceTransformers, Ollama LLMs, Conversational Retrieval Chains

## Projects

### Breast Cancer Prediction

Technologies: Streamlit, scikit-learn, Plotly, pandas, NumPy, Pickle

Developed a logistic regression model with 98% accuracy to classify breast tumors as benign or malignant. Integrated a user-friendly Streamlit UI with radar chart visualization. The app aids in clinical diagnosis by analyzing nuclei features from cytology labs.

GitHub: <https://github.com/Jaya2107/Breast-Cancer-Prediction>

### Multi-PDF Chatbot using LangChain & Ollama

Technologies: Streamlit, LangChain, FAISS, SentenceTransformers, Ollama LLM, Hugging Face, pypdf

Designed a chatbot that can answer queries from uploaded PDFs by leveraging LangChain with FAISS vector store. Used SentenceTransformer embeddings and Ollama's llama3:8b model to provide accurate, context-aware responses.

GitHub: <https://github.com/Jaya2107/multiple-pdf-chat>

### Chatbot using LangChain & Ollama

Technologies: Streamlit, LangChain, Ollama LLM (llama3.2:1b)

Created a general-purpose chatbot using LangChain chaining and Ollama LLM. The project demonstrates how local language models can handle open-domain queries effectively.

GitHub: <https://github.com/Jaya2107/chatbot-ollama>

## Soft Skills

Effective communicator, adaptable, team player

## Languages

Hindi, English, Marathi, Gujarati

## Hobbies

Dancing, Acting – Stage performances and competitions