

# Aryan Tiwari

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## EDUCATION

**Lakshmi Narain College of Technology & Science: B.Tech in Computer Science(AI/ML) (2022-2026)** -  
Bhopal - Cumulative GPA: 7.73

## WORK EXPERIENCE

**AI/ML Intern - Responsible AI Labs** Sep 2025-Nov 2025

- Worked on finetuning LLMs for safer and responsible AI behavior, domain adaptation, and alignment use cases
- Built production-grade RAG systems with multi-agent orchestration workflows for scalable AI solutions
- Developed real-time voice-based AI assistants with optimized performance and user experience
- Focused on transforming GenAI research into reliable, scalable, and cost-efficient end-to-end products

## PROJECTS

**Medimate-AI doctor with voice and vision(Github)** Mar 2025-Apr 2025

- Developed MedimateAI, a real-time multimodal AI healthcare assistant combining voice and vision for enhanced diagnostics
- Integrated LLaMA 3 Vision for medical image analysis and OpenAI Whisper for accurate speech-to-text processing
- Implemented multi-species disease prediction (humans & animals) with optimized inference using Groq acceleration
- Built an interactive Gradio interface with natural voice responses powered by gTTS and ElevenLabs

**Krishi Nirogyam – Plant Disease Detection System (Github)** Aug 2024-Sep 2024

- Developed a Convolutional Neural Network (CNN) model to detect plant diseases across 38 categories using image processing and data augmentation.
- Achieved high-accuracy classification of multiple plant diseases by applying image preprocessing, data augmentation, and deep learning optimization techniques.
- Built a scalable solution for early detection to assist in precision agriculture and crop health monitoring.

**Alvocate - AI Powered Legal Assistant (Github)** Jun 2025-July 2025

- Built an AI-powered legal assistant using LangChain, Groq LLMs, and Streamlit, enabling users to ask natural language legal queries and receive accurate, context-aware answers in real time.
- Implemented a Retrieval-Augmented Generation (RAG) pipeline with semantic search and vector databases to fetch relevant legal documents and enhance LLM response precision.

## Skills Summary

- Languages:** Python, SQL
- Frameworks:** LangChain, LangGraph, CrewAI, scikit-learn, TensorFlow, Pandas, NumPy, Streamlit, PySpark
- Tools & Platforms:** MySQL, Excel, Tableau, VS Code, Google Colab, Jupyter Notebook, Hugging Face, Docker, GCP
- LLM & GenAI Technologies:** LLM Finetuning(SFT,DPO,LoRA), RAG Pipeline Development, Automation Tools(n8n,MAKE)
- Soft Skills:** Leadership Qualities, Self-Motivated & Quick Learner, Proficient in English Communication
- Other Skills:** Statistics, DSA

## Certifications | Link

- Complete Machine Learning & Data Science Program – GeeksforGeeks**

Duration: 26 Weeks | Issued by: GeeksforGeeks

- Database Management System – Infosys Springboard**

Issued on: December 3, 2024 | Issued by: Infosys Springboard