

Gyan Vardhan

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EDUCATION

VIT Bhopal University, Bhopal	2022 – 2026
<i>Bachelor of Technology in Computer Science and Engineering</i>	CGPA: 9.05
Dhruva Public School, New Delhi	2019 – 2021
<i>Senior Secondary (Class XII)</i>	86.2%
Birla Vidya Mandir	2017 – 2019
<i>Secondary (Class X)</i>	97.2%

PROJECTS

Sarvagya - Intelligent Research Assistant with Multi-Agent Workflow	Oct 2025 – Present
<i>N8N, Gemini API, ChromaDB, Supabase, Google Sheets</i>	Source Code
<ul style="list-style-type: none">Architected autonomous research agent in N8N with AI-driven decision making to orchestrate web scraping, API calls, and database queries based on user intentImplemented RAG pipeline with ChromaDB vector embeddings for context-aware responses from 500+ indexed sources.Developed smart routing logic utilizing LLM function calls to independently identify the best data sources (such as Google Search, academic APIs, and web scraping) for each type of query.	
LearnMate AI	June 2025 – Sept 2025
<i>Python, LangChain, Hugging Face, FAISS, Gradio</i>	Source Code
<ul style="list-style-type: none">Developed an AI tutor that generates topic-specific explanations and quizzes using large language modelsImplemented Retrieval-Augmented Generation (RAG) for accurate, context-aware answersAdded conversational memory for dynamic, continuous learning sessionsDeployed Gradio-based interface for an interactive user experience	
Asteroid Impact Threat Analysis	Sep 2024 – Oct 2024
<i>Python, Pandas, Matplotlib, Scikit-Learn</i>	Source Code
<ul style="list-style-type: none">Analyzed 4000+ asteroids from NSSC 2024 dataset with EDA, feature engineering, and imbalance handlingAchieved 85.5% accuracy using tuned Random Forest with GridSearchCV and K-Fold CVPresented results at NSSC 2024, IIT Kharagpur, to a panel of 5 astrophysics expertsDelivered reproducible Jupyter workflow with visualizations for hazard distribution and risk insights	

TECHNICAL SKILLS

Concepts: Data Structures, OOP, Computer Networks, Operating Systems, DBMS, Machine Learning
Frameworks: Flutter, MongoDB, AWS Cloud Services, Scikit-learn, Pandas, NumPy, TensorFlow, Langchain, LangGraph
Programming: Java, Python, SQL

CERTIFICATIONS

Introduction to TensorFlow for AI, ML, and Deep Learning – DeepLearning.AI Certification	Aug 2025
Machine Learning with Python – IBM Professional Certification	Oct 2024
OCI Data Science Professional – Oracle Cloud Infrastructure Certification	June 2025
Basics of Unity and C# Development – Meta Certification	Sept 2023

EXTRACURRICULAR ACTIVITIES

- Shortlisted to showcase a technical project at **VIT Bhopal Industrial Conclave 2024**, held on 3rd August 2024.
- Core Team Member in Android Development Team of GDG VIT Bhopal, from December 2023
- Contributor at GirlScript Summer of Code (GSSoC) 2024 – contributed to 4 open-source repositories.
- Advanced to the second round of the **NASA Space Apps Hackathon 2024** with **OrbitChat**, a collaborative AI communication tool.
- Developed and demonstrated a data model for asteroid impact threat analysis at **NSSC 2024**, IIT Kharagpur.
- Published and presented a paper on Neuromorphic Computing at **VIVIBHA National Conference 2024**.