

# VISHNU VARDHAN MURTHY

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## CAREER OBJECTIVE

AI/ML-focused Computer Science student skilled in Python, TensorFlow, and predictive modeling through hands-on projects. Passionate about turning complex data into actionable insights and eager to contribute to an innovative team as an AIML intern.

## EDUCATION

- **B.E. in Computer Science Engineering (AIML)**, Neil Gogte Institute of Technology — GPA: 7.8 2022 – 2026
- **Intermediate (MPC – TSBIE)**, Narayana Junior College — Grade: 95.2% 2020 – 2022
- **Secondary School (CBSE)**, Gitanjali Devashray — CGPA: 8.66 2020

## PROJECTS

- **Verichat: StarCoder-2 3B Model Training and Integration** 2024  
*MERN, GenAI, Python, Kaggle, Google Colab, GitHub*
  - Built a MERN + AI application by fine-tuning a pretrained LLM with Verilog datasets for RTL code generation.
  - Designed an intuitive user interface for seamless code generation and verification workflows.
  - Used the dataset, Shailja Thakur's Verilog\_GitHub from huggingface.
- **Insurance Policy RAG: Retrieval-Augmented Generation for Insurance Policies** 2025  
*React.js, FastAPI (Python), ChromaDB, Ollama, Tailwind CSS, Docker*
  - Built a full-stack RAG application enabling users to query insurance documents in natural language via an AI chatbot.
  - Implemented semantic search and context retrieval using Ollama embeddings and a ChromaDB vector store integrated with FastAPI.
  - Developed an interactive React frontend and containerized the entire stack with Docker for seamless deployment and reliability.
- **Health Care Plus: Hospital Management System** 2023-24  
*React.js, MongoDB, Express.js, Node.js, Decision Tree, Python*
  - Developed a full-stack application to manage patient records, doctor records, appointments, and inventory.
  - Implemented secure login, role-based access, and real-time updates.
  - Devised a chatbot built on a decision tree algorithm to help patients self-diagnose and take measures in case of emergencies.

## SKILLS

- **Programming Languages:** Python, Java, C++, JavaScript
- **Web Development:** Flask, HTML, CSS, React.js, Node.js, Flet
- **Database Systems:** MySQL, MongoDB, Snowflake
- **Artificial Intelligence:** Machine Learning, Deep Learning
- **Data Analysis Tools:** Talend, Snowflake
- **Tools & Others:** Jenkins, OOPS, Git/GitHub, Docker,, OS

## LEADERSHIP EXPERIENCE

- **Event Coordinator (Project Expo) – Technical Fest 2024** 2024  
Organized and managed the Project Expo event with 20+ teams.
- **Student Coordinator – NGIT Hackathon 2024** 2024  
Assisted in managing a hackathon attended by 150+ students.
- **Event Coordinator (Hackathon) – Technical Fest 2025** 2025  
Spearheaded planning, promotion, and problem statement design.

## ACHIEVEMENTS

- **12th Rank** November 2024  
*Hackathon conducted by TechXcelerate, Birla Institute of Technology, Hyderabad*
- **4th Rank** May 2025  
*Debate conducted by TechNova, Neil Gogte Institute of Technology*

## ADDITIONAL INFORMATION

**Languages:** English, Telugu, Hindi

**Interests:** Cooking, Swimming, Sketching, Reading