

# Addanki Harshitha

B.Tech - (2023-27)

Computer Science Engineering(AI&ML)

CMR College of Engineering and Technology

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## EDUCATION

| Degree             | Institute/Board                           | CGPA/Percentage                  | Year    |
|--------------------|---|----------------------------------|---------|
| B.Tech. CSE(AI&ML) | CMR College of Engineering and Technology | 8.65 (till 2 <sup>nd</sup> year) | 2023-27 |
| Senior Secondary   | Trividya Junior College                   | 98.4%                            | 2021-23 |
| Secondary          | Dr. K.K.R.'s Gowtham Concept School       | 10.0                             | 2020    |

## PROJECTS

- Agentic AI Assistant for Intelligent Document Retrieval using LangGraph and RAG** Nov. 2025 - Jan. 2026  
*Agentic AI-based Information Assistant* Github
  - Developed an Agentic AI assistant with intent detection, session memory, and RAG-based document retrieval using LangGraph and ChromaDB.
  - Implemented ATS resume scoring with policy guardrails and human-in-the-loop approval for high-risk actions.
  - Technologies: Python, LangGraph, LangChain, HuggingFace Transformers, ChromaDB, RAG, Streamlit.
- College Info Chatbot using RAG** May. 2025 - July. 2025  
*RAG based project* Github
  - Built a Retrieval-Augmented Generation (RAG) based chatbot that answers college-related queries like fees, hostel using uploaded policy documents. Designed a custom prompt to ensure concise, context-aware answers and fallback responses when context is missing.
  - Technologies used: Python, HuggingFace, ChromaDB
- Student Performance Prediction** August. 2025 - September. 2025  
*Machine Learning Project* Github
  - Built a machine learning pipeline to classify students as pass/fail and predict math scores using test-related features.
  - Found the best-performing models and optimized parameters using cross-validation and GridSearchCV.
  - Technologies used: Python, Scikit-learn, Pandas, Matplotlib, Seaborn, kaggle datasets.
- Website for Skippi Icepops** Sep. 2024 - Nov. 2024  
*Web Development* Github
  - Implemented a fully clickable tab bar for smooth navigation while restricting image interactivity.
  - Added a user form to collect customer problems or reviews, enabling feedback submission.
  - Technologies used: HTML, CSS, Bootstrap, Django

## CERTIFICATIONS

- Python – Coursera, Credentialed assessment in Python programming fundamentals. April. 2025
- SQL (Basic) – HackerRank, Validated skills in SQL queries. May. 2025
- Networking Basics – Cisco Networking Academy, Fundamentals of computer networks and protocols. Dec. 2025

## TECHNICAL SKILLS

- Programming:** C, Python, Java (familiar)
- Web Development:** HTML, CSS, Django
- Databases:** MySQL
- CS Fundamentals:** Data Structures and Algorithms, OOPs, Operating Systems, Computer Networks
- Machine Learning & AI:** Supervised and Unsupervised algorithms (basic), Generative AI, Agentic AI, Retrieval-Augmented Generation (RAG)
- Frameworks & Libraries:** LangChain, LangGraph, HuggingFace Transformers, NumPy, Pandas, Scikit-learn

## COMMUNITY ENGAGEMENT

- HYA (NGO)**, Member of HYA Season XIV Phase 2, worked on clean water and sanitation projects. Mar. 2025 – Jun. 2025
- StreetCause**, Volunteered in community development and social awareness initiatives. Nov. 2024 – June. 2025

## ACHIEVEMENTS

- **Certificate of Merit**, 2<sup>nd</sup> in school, 28<sup>th</sup> National Mathematics Talent Search Competition 2017