

NARENDRA BAPANAPALLE

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LinkedIn

GitHub

OBJECTIVE

Highly motivated 3rd year Computer Science student with strong programming, Data Structures, and Algorithms skills, eager to contribute to innovative projects and learn from industry leaders through internship opportunities.

EDUCATION

B.Tech in Computer Science, Mohan Babu University, Tirupati
CGPA: 9.54/10

Expected 2027
AP, India

Intermediate (MPC), Abhyas Junior College
Percentage: 86%

2021 - 2023
AP, India

SKILLS

Programming Languages	Python, Java
Frameworks/Libraries	Numpy, Pandas, Matplotlib, Scikit-learn, Tensorflow, NLTK, LangChain
Database	SQL
Domain Expertise	AI Agents, Retrieval-Augmented Generation (RAG), NLP
Algorithms (ML, DL)	Linear Regression, Logistic Regression, Decision Tree, Random Forest, ANN, CNN
Developer Tools	Git/GitHub, VS Code, Google Colab
Academic Coursework	Data Structures, DBMS, Operating Systems, Computer Networks, OOP

EXPERIENCE

Infosys | Artificial Intelligence Intern | Remote

August 2025 - October 2025

- Developed a full-stack AI Legal Reference and Case Retrieval System application using Python and Streamlit to provide legal professionals with a conversational interface for case research and document retrieval.
- Engineered a Retrieval-Augmented Generation (RAG) pipeline by integrating LangChain with OpenAI GPT-3.5-Turbo to deliver context-aware answers to complex legal queries.
- Implemented an efficient semantic search functionality using Sentence-Transformers and a Pinecone vector database, enabling rapid and accurate information retrieval.
- Designed a secure backend with a SQLite database to manage user authentication, personalized sessions, and persistent chat histories. ([Project Link](#))

PROJECTS

- Campus Knowledge Engine:** Built an intelligent AI Campus Knowledge Engine enabling students and faculty to query university documents including course catalogs, admission guides, and policies through natural language conversations, serving as a 24/7 digital campus guide for current and prospective students. ([Project Link](#))
- Tech Stack: Python, Streamlit, LangChain, OpenAI, Pinecone, SQLite**
- Crop Fertilizer Recommendation System:** Engineered an ML system recommending optimal crops and fertilizers from real-time inputs (N, P, K, temperature, humidity, pH, rainfall) using a Decision Tree Classifier with Scikit-learn for robust yield predictions. ([Project Link](#))
- Tech Stack: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Google Colab, ML**

CERTIFICATIONS

- Artificial Intelligence (Infosys):** Successfully completed over 150+ hours of certified training from Infosys, strengthening foundational knowledge in Machine Learning, Deep Learning, NLP, Generative AI, Prompt Engineering, and Data Science. ([Certifications Link](#))
- Generative AI (Microsoft):** Completed a comprehensive LinkedIn Learning path on Artificial Intelligence, focusing on Generative AI. Mastered core concepts including AI fundamentals, the evolution of search, and ethical considerations. ([Certification Link](#))