

Summary

Third-year Computer Science undergraduate at Sreenidhi Institute of Science and Technology with a strong foundation in Data Structures, Algorithms, and a deep interest in AI/ML. Solved 600+ DSA problems across coding platforms and currently exploring Deep Learning and Artificial Intelligence. Passionate about learning, building, and contributing to impactful tech solutions.

Education

Sreenidhi Institute of Science and Technology, Hyderabad

B.Tech in Computer Science and Engineering, CGPA: 8.9/10

Chaitanya Junior College, Hyderabad

Intermediate (MPC), Score: 98.8%.

Experience

AI Developer

Contributed to VISWAM.AI's Fine-Tuning Module by curating and uploading 100+ multimodal Telugu cultural data samples (folk tales, songs, traditions, etc.) across 6+ categories, enhancing regional language AI model performance.

Smart Interviews – Data Structures & Algorithms Training Program

- Covered 10+ core DSA topics with 50+ hours of structured instruction.
- Enhanced problem-solving speed and accuracy through real-world coding interview questions and hands-on practice.

Project

Crop Disease Classifier and Treatment Guider

- Impact:** Achieved high accuracy in diagnosing 12 crop diseases using computer vision and provided detailed treatment guidance, helping farmers with actionable disease management strategies.
- Tech Stack:** Python, TensorFlow/Keras, OpenCV, scikit-learn, Flask, pandas, Matplotlib, RAG with FAISS and Sentence Transformers.
- Key Point:** Built an end-to-end system that not only classifies crop leaf diseases from images but also generates treatment and precautionary measures through an integrated knowledge base.

VaishnavAI

- Spiritual Q&A chatbot specialized in Ramayana and Bhagavatam using LLMs and vector search.
- Impact:** Improved accuracy and relevance in spiritual query responses using context-aware AI.
- Tech Stack:** Python, FAISS, SentenceTransformers, Gemini API
- Key Point:** Stored shlokas in FAISS index and used top-k retrieval + LLM (Gemini API) for accurate, culturally grounded answers.

Technical Skills

- Programming Languages:** C, C++, Python
- Web Technologies:** HTML, CSS, JavaScript
- Libraries & Frameworks:** Flask, scikit-learn, Tensorflow, NumPy, Pandas, Matplotlib
- Machine Learning:** Supervised Learning, Convolutional Neural Networks (CNN)
- Deep Learning:** RNN, LSTM, GRU, Bidirectional LSTM
- Natural Language Processing:** Bagofwords, TFIDF, Word2Vec, Encoders, Decoders, Transformers
- Core CS Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPS), DBMS
- Tools:** Git, GitHub, VS Code, Jupyter notebook, Google Colab

Certifications

- Introduction to Data Science Virtual Internship certificate from Cisco Networking Academy
- Earned participation certificate in coding competitions at VNR VJIET and Geethanjali College of Engineering