INTI DURGA NAGA JYOTHIKA

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EDUCATION

Shri Vishnu Engineering College for Women, Bhimavaram   **2022 − 2026**
Bachelor of Technology in Artificial Intelligence and Machine Learning   *CGPA: 8.54*

Aditya Junior College, Bhimavaram   **2020 − 2022**
Intermediate (XII) - BIEAP   *Percentage: 90*

EXPERIENCE

Infosys Springboard Internship 5.0   **Dec 2024 − Feb 2025**

- **Developed** an AI-powered image analysis web app using **Flask, BLIP, and GPT-3.5**, reducing manual alt-text generation by **70%**.

- **Integrated** sentiment analysis to improve content classification accuracy by **85%**.

- **Leveraged** Hugging Face and OpenAI APIs to enhance image captioning and contextual understanding.

Uvida Private Limited (in collaboration with AICTE)   **Feb 2024 − Apr 2024**

- **Developed proficiency** in core **data structures** such as **arrays**, **linked lists**, **stacks**, and **queues**, strengthening **algorithmic thinking**.

- **Implemented** efficient **algorithms** for **sorting**, **searching**, and **graph traversal** to enhance computational performance.

- **Built** a **Sudoku game** from scratch, applying **complex data structures** and **algorithms** to enable dynamic gameplay and validation.

PROJECTS

TO-DO APP ☑ | **HTML, CSS, JavaScript, Express.js, MongoDB**   **2024**

- **Developed** a full-stack web application enabling users to create, manage, and organize tasks efficiently.

- **Implemented CRUD operations** using **Express.js** and **MongoDB**, supporting multiple databases with unique URLs.

- **Optimized** backend performance for seamless task management and real-time updates.

AI-POWERED IMAGE CAPTIONING & SENTIMENT ANALYSIS ☑ |
Flask, Python, BLIP, OpenAI API   **2025**

- **Designed** a Flask-based AI web app that generates **accurate image captions** using **BLIP & GPT-3.5**.

- **Enhanced** caption relevance by **40%**, improving accessibility for visually impaired users.

- **Implemented** sentiment analysis, classifying images with **90% accuracy**.

DOCU CHAT AI ☑ | **Python, Streamlit, OpenAI API, FAISS, RAG**   **2025**

- **Developed** an AI chatbot for **PDF & DOCX** document search using **Retrieval-Augmented Generation (RAG)**.

- **Enabled** multi-document uploads with **FAISS-based vector search**, enhancing query accuracy by **25%**.

- **Built** a **Streamlit UI** for interactive engagement and real-time responses.

TECHNICAL SKILLS

Programming Languages: Python, C, Java, SQL	**Core concepts:** DBMS, OOPS,
Tools and Technologies: VS Code, GitHub ,Tableau, Git	**Operating System:** Linux, Unix
Web Development: HTML, CSS, JavaScript,Express.js, MongoDB	**Testing Skills:** Unit Testing (PyTest), Manual Testing, Regression Testing, API Testing (Postman), Test Case Design

Machine Learning and AI: Retrieval -Augmented Generation(RAG),FAISS,BLIP,Sentimental analysis

Frameworks And Libraries: Flask, Express.js, OpenAI API , TensorFlow, PyTorch, Keras

Data Structures and Algorithms Basic DSA

CO-CURRICULAR ACTIVITIES

GDSC Solution Hackathon 2024

- Collaborated as part of a 3-member team to develop a web platform for industry insights and startup-investor networking, with a focus on sustainability through infrastructure tracking and eco-friendly features.

- Demonstrated strong teamwork and effective communication skills while coordinating tasks and sharing ideas within the group.

- Applied problem-solving abilities and curiosity to explore innovative solutions, contributing to the creation of impactful and user-friendly features.

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CERTIFICATIONS

- Java Programming (Oracle Academy)
- Database Foundation (Oracle Academy)
- Introduction to Cybersecurity (CISCO)
- Fundamentals of Artificial Intelligence (NPTEL)