

Jaya Vardhan Muthyala

📍 Vijayawada ✉ jayavardhan414o@gmail.com ☎ +91 8019978387 in jaya-varadhan 📱 jayavardhan-05

Summary

Motivated Computer Science graduate seeking to leverage academic knowledge and problem solving skills in IT. Eager to contribute to a dynamic team and gain hands-on experience while making meaningful contributions to organizational goals

Education

Dhanekula Institute of Engineering and Technology

June 2027

Btech in Computer Science(AI & ML)

- GPA: 8.52/10.0
- **Coursework:** Artificial intelligence, Machine learning ,Deep learning, Web Development

Technical Skills

- Languages: Python, Java, C
- AI/ML: NLP, LLMS
- WebDevelopment: HTML, CSS, JavaScript (Learning Backend)
- Databases and Cloud: SQL, AWS, Cloud Computing (Learning)
- DevOps: Kubernetes, Docker

Projects

MedAI RAG

[github/jaya/Rag](#) 

- Developed a Retrieval-Augmented Generation (RAG) based chatbot tailored for medical information retrieval, combining the strengths of document retrieval and generative language models. Achieved high accuracy in fetching relevant medical data by efficiently indexing and searching large medical document sets, improving response relevance and reducing latency.

Smart Fertilizer Recommendation System

[github/jaya/Fertilizer](#) 

- **Developed and deployed a Smart Fertilizer Recommender** using a **Random Forest** model. **Engineered** the complete ML pipeline (Pandas, Scikit-learn) and created a functional web application with **Streamlit**.

Quizz Master Application

[github/jaya/QUIZZ](#) 

- A Quiz App is an interactive web application that presents multiple-choice questions and tracks the user's score. Built using python, it dynamically updates questions and responses. Additional features like a timer, leaderboard, or API-based questions can enhance functionality

Certifications

- Completed the "Deep Learning for Developers" certification from Infosys Spring Board
- Certified in Generative models for developers
- Successfully completed professional certifications in MongoDB Basics
- Completed 4-week virtual internship on Artificial Intelligence and Data Analytics focused on Green Skills, organized by AICTE

Achievement

Finalist (Top Teams) – Amaravati Quantum Valley Hackathon 2025, organized by APSICHE Selected as Runner-Up at Regional Round (AQUV918 problem statement) and advanced to the **Grand Finale**