

JANAGAM BHARATH

AI / LLM Engineer · NLP & Flask Developer

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🔗 github.com/janagambharath | LinkedIn | 🌐 Portfolio

PROFESSIONAL SUMMARY

Ambitious AI / LLM Engineer skilled in developing, fine-tuning, and deploying real-world NLP and RAG systems. Experienced in integrating Hugging Face models, building Flask backends, and deploying AI applications on Render and Hugging Face Spaces. Strong foundation in vector databases, embeddings, text processing, and chatbot systems. Developed and deployed three live AI applications before turning 18, demonstrating practical expertise in modern AI technologies.

TECHNICAL SKILLS

Languages: Python, C

Web Framework: Flask, HTML, CSS, JavaScript

Deployment: Render, Hugging Face Spaces

AI/ML Frameworks: Hugging Face, PyTorch, TensorFlow

NLP Concepts: RAG, Vector DB, Embeddings, TF-IDF

Tools: Google Colab, VS Code, Git, Postman

PROJECTS

Rythu AI - Crop Disease Detection System

[Live Demo](#)

- Built smart AI tool that detects crop diseases from leaf images using deep learning (MobileNet) and provides actionable farming advice
- Deployed on Hugging Face Spaces with Flask backend for real-time use by farmers

Memory to Lyrics Generator

[Live Demo](#)

- Generates song lyrics from personal memories or emotions in Telugu, Hindi, and English using text-generation models
- Implemented NLP pipelines integrated with Flask, focusing on multilingual support and creative text synthesis

Bharath AI - Portfolio Chatbot

[Live Demo](#)

- AI-powered portfolio chatbot that introduces projects, answers questions, and simulates an interactive resume
- Built using Flask + Hugging Face API, demonstrating real-world chatbot workflow and prompt engineering

Flask Portfolio Website

[Live Demo](#)

- Dark-themed, modern personal portfolio featuring project showcase, resume download, and smooth animations
- Fully responsive design deployed on Render with mobile optimization

EDUCATION

Diploma in Electronics & Communication (ECE)

3rd Year (Semester 6) | Hyderabad, India

Planning to pursue B.Tech in CSE via ECET

CERTIFICATIONS & LEARNING

▶ **NLP Fundamentals:** Implemented TF-IDF, Word Embeddings, Tokenization, RAG, Vector Databases

▶ **DSA in C:** Arrays, recursion, sorting, linked lists

▶ **Self-learning:** Fine-tuning, embedding-based retrieval, chatbot development

ACHIEVEMENTS

- Developed and deployed 3 live AI applications before turning 18
- Created "Bharath AI" YouTube channel teaching AI and LLM concepts
- Former gaming YouTuber with video editing expertise
- Specialized in Generative AI, LLM architectures, and AI-based creativity tools