

DURGA BHAVANI MIRLA

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OBJECTIVE

"Final-year B.Tech student specializing in Artificial Intelligence and Machine Learning, with hands-on experience in speech processing, multilingual AI systems, and latency optimization. Eager to contribute to innovative projects and grow under industry leaders through a challenging opportunity".

EDUCATION

B.Tech in Artificial Intelligence and Machine Learning, Kallam Haranadha Reddy Institute of Technology, Guntur **Expected 2026**
CGPA: 7.7/10 AP, India

Intermediate (MPC), Jupiter Junior College **2020 - 2022**
Percentage: 93% AP, India

SKILLS

Programming Languages	C, Python, HTML, CSS, JavaScript
Frameworks/Libraries	LangChain, PyTorch, GeminiFlash, OpenAI GPT/Whisper, gTTS, Transformers, NumPy, Pandas
Databases	MySQL, SQLite
Developer Tools	Git/Github, Google Colab, VS Code
Academic Coursework	Data Structures, Operating Systems (Windows, Unix/Linux), CN, OOP, DBMS

EXPERIENCE

Infosys-AI Intern | Speech to Speech Streaming in 12 Languages | *Python, AI, Whisper* **November 2024 - January 2025**

- Solely developed and deployed a real-time multilingual speech translation system supporting 12 languages.
- Built an end-to-end audio pipeline: extracted audio from MP4, converted to MP3, transcribed speech using Whisper, translated with Transformers, and synthesized output using gTTS.
- Achieved 95 percent transcription accuracy (WER), 90 percent translation accuracy (BLEU), and an average latency of 4.5 seconds per sentence.
- Engineered the system for real-time performance and seamless cross-language communication.([Project Link](#))

PROJECTS

Prompt-Driven Chatbot Using Gemini 1.5 Flash: Developed an AI-powered chatbot using LangChain for prompt structuring, Gemini Flash for real-time responses, and LLMs for dynamic conversation generation, showcasing expertise in AI-driven conversational systems and secure API integration with Python. ([Project Link](#))

GeminiToolAgent: Developed a GeminiToolAgent, an LLM-powered agent using Google Gemini Pro and LangChain that answers user questions by selecting and invoking custom Python tools.([Project Link](#))

ACHIEVEMENTS

- **Pragati Path to Future:** Engaged in cutting-edge AI innovations, exploring digital transformation strategies and AI-driven automation trends.

POSITION OF RESPONSIBILITY

- **Team Lead:** Led a 5-member student team for a community outreach project. Managed planning, delegated responsibilities, coordinated execution, and presented outcomes to stakeholders.