

HARIKA EJJU

Generative AI Engineer

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[Linkedin](#) | [GitHub](#) | [LeetCode](#)

EDUCATION

Malla Reddy University

CSE Bachelors of Technology in Artificial Intelligence & Machine Learning

CGPA: 9.01

Hyderabad, India

2022-09-01 - Present

EXPERIENCE

| GenAI Intern

Hyderabad, India | may-2025 - Present

Developed enterprise code quality analysis platform using Next.js 15 and Python, processing large-scale repositories with real-time static analysis across multiple programming languages. Built analysis engine integrating Pylint, Radon, and AST parsing to evaluate cyclomatic complexity, maintainability, and technical debt for Python, JavaScript, TypeScript, Java, and C++. Implemented algorithmic scoring models with repository-specific heuristics, ensuring statistically significant variance in quality assessments aligned with industry standards.

SKILLS

Programming Languages:	Python, Java, Javascript, HTML, CSS
Libraries/Frameworks:	Flask, LLMs, Hugging Face, TensorFlow, PyTorch, OpenCV, Image Processing, Text Preprocessing, Fine-Tuning, RAG, CRAG, Langchain, Transformers, FastAPI
Tools / Platforms:	Git, Docker, REST API, AWS, prompt engineering, Azure, Gcp
Databases:	VectorDB, FAISS, ChromaDB, MongoDB, Firebase

PROJECTS / OPEN-SOURCE

Neurohire-AI-Powered Interview Evaluation System

Python, Streamlit, Gemini, PyPDF2, dotenv,

Docker, Git

- Developed an AI-powered interview evaluation platform using Gemini to simulate real-time technical interviews and deliver personalized, data-driven feedback based on uploaded resumes.
- Implemented automated question generation and scoring pipeline leveraging LangChain, with intelligent performance analysis to assess candidate strengths and improvement areas.
- Transformed the system into an AI career mentor by integrating semantic evaluation and multilingual support, enhancing user engagement and interview preparedness.

AutoResearch-AI-Powered academic research assistance

Python, LangChain, Gemini, Semantic

Scholar API, FAISS, PyMuPDF, Docker

- Designed and deployed an autonomous research assistant using Gemini 2.0 flash, LangChain, and Semantic Scholar API to automate literature review workflows.
- Implemented a RAG pipeline with FAISS for contextual retrieval, citation-aware summarization, and future research suggestions, achieving 92% citation relevance and a 60% reduction in review time.
- Dockerized for scalable deployment and used Grobid for accurate PDF parsing.

SilentTalk: Gesture-to-Text Translator

Python, OpenCV, MediaPipe, TensorFlow/Keras, PyPDF2,

Docker

- Built a real-time sign language detection system using Python, MediaPipe, and TensorFlow to classify dynamic hand gestures from webcam input.
- Used LSTM on hand landmark sequences for temporal action recognition with 90%+ accuracy across 20+ gestures.
- Integrated OpenCV for live video, Streamlit for UI, and Docker for scalable deployment.

CERTIFICATIONS

- Develop GenAI Apps with Gemini and Streamlit - Google Cloud.
- Prompt Design in Vertex AI Skill Badge - Google Cloud.
- AWS Academy Graduate-AWS Academy Cloud Foundations - **AWS Academy**

HONORS & AWARDS

- Vice President of the Innovation & Entrepreneurship Cell, driving initiatives to foster student innovation and startup culture.
- Achieved Top 20 Finalist position at IIT Bombay E-Summit 2025, recognizing innovation and entrepreneurial excellence.
- Secured Runner-up position at Neuro Splash 2024, a 24-hour national hackathon focused on innovative tech solutions.