Irakam Siva Venkata Bhanu Prakash

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CAREER OBJECTIVE

To obtain an AI/ML engineering role leveraging my skills in Generative AI, LLMs, RAG systems, AI Agents, and end-to-end deployment to build scalable, real-world intelligent solutions.

EXPERIENCE

May 2025 - June 2025 | **AI/ML Intern** Smart Bridge   GitHub

Developed **HematoVision**—a TensorFlow/Keras, transfer-learning pipeline for blood-cell classification; applied augmentation, fine-tuning, and evaluation (ROC/PR/CM), achieving **85.3% validation accuracy**, and delivered it as a Saved Model with Git-tracked documentation.

PROJECTS

Agentic-MedicalReport-Analysis Livelink   GitHub

- Built a conversational medical-report analysis platform, enabling users to chat with reports and extract insights.
- Implemented RAG, NLP-based insight extraction and semantic search using the GROQ API and OpenAI gpt-oss-120b.
- Developed agentic pipelines for query-driven retrieval, topic/keyword search, and contextual summarization.
- Open-sourced on GitHub with docs and a deployment-ready, extensible architecture.

MSME Agent-A-Thon Livelink   GitHub

- Built an MSME "Pocket CEO" agentic platform providing financial insights and recommendations for small businesses.
- Developed during Agent-A-Thon by GDG (Google Developer Group) at Malla Reddy University, Hyderabad.
- Implemented autonomous multi-agent workflows in Python with Groq APIs; integrated Shopify, Mailchat, Supabase, and A2A.
- Integrated data pipelines, API connectors, and deployment workflows for scalable, production-ready delivery.

Conversational-AI-Avatar Livelink   GitHub

- Built a conversational AI Avatar prototype showcasing intelligent, multimodal avatars as digital interfaces for virtual assistants and smart education.
- Implemented core NLP, speech-to-text, and text-to-speech pipelines for real-time interactive dialogue.
- Integrated ZEP avatar rendering with Anam AI conversational backend for immersive, human-like responses and gestures.
- Published on GitHub with docs, demo, and an extensible prototype architecture.

EDUCATION

2022–2026	**B.Tech, CSE**	JNTUA College of Engineering, Pulivendula	**CGPA**: 7.7 / 10.0
2020–2022	**Intermediate (M.P.C.)**	Narayana Junior College, Gudur	BIEAP—**Grades**: 9/10.
2019–2020	**High School (SSC)**	Prospero English Medium High School	BSEAP—**Marks**: 566 / 600.

SKILLS

Technical:	Python, NumPy, Pandas, scikit-learn, TensorFlow/Keras, Hugging Face, SQL (MySQL), Flask, FastAPI, Streamlit, Model Optimization, LLM, RAG, Prompt Engineering, LangChain, LangSmith, Agents.
Tools & Dev:	Git, GitHub, REST API design, CORS, and API-key authentication.
Soft Skills:	Data-driven decision-making, clear verbal communication, teamwork, adaptability, and analytical thinking.

CERTIFICATIONS & COURSES

- Python Basics for Data Science (IBM, edX)
- SQL for Data Science (IBM, edX)
- NPTEL: Introduction to Machine Learning
- Deep Learning with TensorFlow
- NPTEL: Introduction to Large Language Models (LLMs)

HACKATHONS & COMPETITIONS

- Participated in the **Google Cloud Agentic AI** Hackathon focused on LLM-driven autonomous agents and cloud-integrated orchestration workflows
- Participated in the **Hacktoberfest Hackathon** at Draper Startup House, Hyderabad (Organized by DigitalOcean)
- Selected—State-Level Buildathon by **NxtWave & OpenAI** (Scheduled: Nov 1 & 2, 2025) but i deferred due to NPTEL exam.
- Selected for **Agent-A-Thon** conducted by GDG (Google Developers Group) at Malla Reddy University, Hyderabad, which is a 36-hour hackathon.

LEADERSHIP & ACHIEVEMENTS

- Led a 3-day Generative AI workshop for 30 students covering Prompt Engineering, RAG, and LLM workflows during CSE Department Fest **"Sarvagnya"**

INTERESTS

- Generative AI & Foundation Models
- Multimodal & Transformer Architectures
- MLOps & AutoML
- Agentic AI & Intelligent Agents