TVLS ANIRUDH

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ABOUT

A dynamic and quick-learning professional with strong analytical thinking and exceptional grasping power. Adept at understanding complex systems and delivering results efficiently across multiple domains. Known for my adaptability, initiative, and passion for solving real-world problems using cutting-edge technology. Skilled in areas including Artificial Intelligence & Machine Learning, Web Development , Internet Of Things. , Data Base Handling. Eager to contribute to innovative teams and grow in fast-paced, challenging environments.

TECHNICAL SKILLS

AIML

- Large Language Models (LLMs)
- Retrieval-Augmented Generation (RAG)
- Generative AI (Agentic AI)
- Deep Learning (DL)
- Machine Learning Algorithms
- Prompt Engineering

IoT

- Wireless Sensor Networks (WSN)

Data & Databases

- PostgreSQL
- Vector Databases: ChromaDB, Pinecone, Weaviate

Soft Skills

- Decision-Making
- Problem Solving
- Adaptive Learning

Cloud Computing & System Architecture

- Microsoft Azure
- System Design & Architecture
- System-Level Thinking
- Fast Prototyping

Programming

- Python
- SQL (Basic)

PROFESSIONAL EXPERIENCE

V-Soft Consulting Group Inc. Hyderabad INDIA — **May–July 2025 | Dec 2025–Feb 2026**

- Worked as a Gen AI Intern in a two-phase program focused on cutting-edge Artificial Intelligence technologies. During the internship
- I received hands-on training and project exposure in key areas such as Machine Learning algorithms, Agentic AI systems, and modern AI frameworks.
- The internship was structured into two phases to accommodate my academic calendar, with a break during August–November due to the commencement of my final year of college.
- Through this role I developed a deep understanding of generative models, AI system design, and implementation techniques—strengthening both my technical foundation and real-world problem-solving skills.

Bharat Heavy Electricals Limited Hyderabad INDIA — **APRIL 2025**

- Completed a short-term 15 day AI/ML training program at BHEL
- where I gained practical experience in deploying and handling Large Language Models (LLMs) in a local development environment. The program focused on understanding the architecture and operational intricacies of LLMs, including setup, configuration, resource optimization, and performance evaluation.
- This hands-on experience enhanced my confidence in working with GenAI systems at the infrastructure level.

EDUCATION

Gandhi Institute Of Techonology And Management (GITAM) SANGAREDDY INDIA — **2022-2026**
Bachelor of Technology - CSE (IOT) - 7.3 CGPA - Present

Sri Chaitanya Junior College — **2020-2022**
State Board 11^{th} and 12^{th} - 76%

Johnson Grammar School ICSE — **2010-2020**
ICSE Board 10^{th} - 76%

ADDITIONAL INFORMATION

- **Languages:** English,Telugu,Hindi
- **Certifications:** Introduction to Deep Learning & Neural Networks with Keras via Coursera– IBM
- **Hobbies and Personal Intrests:** Photography , Professional Cricketer , Graphic Designing , Traveling

PROJECTS

Agentic AI System

- Doctor-Patient Chat Summarizer (Jun 2025)
- Summarized audio chats with Whisper & Mistral, including ICD extraction &React frontend. • Skills: Healthcare AI · STT · FastAPI , Crew AI Framework

Web-Scraped Chatbot

- Domain specific LLM chatbot using semantic vector search on scraped data. • Skills: ChromaDB

Rag

- Advanced RAG with Hybrid Search (May–Jun 2025)
- Built token-efficient RAG pipeline with reranking, metadata filtering &ChromaDB indexing • Skills: RAG · Prompt Compression · LangChain

Personal Assistant

- Personal Assistant (Jun 2025)
- Developed MS 365-integrated FastAPI assistant with token auth, chat/voice modules & admin routes. • Skills: FastAPI · Microsoft OAuth · STT/TTS

Forecasting

- Forecasting with LSTM & GRU (May 2025)
- Built deep networks to predict long-term financial/resource trends. • Skills: DL · RMSE ·MSE R2 , LSTM GRU

Hackathon project

SMART AI Farming Assistant | Winner – GITAM University Hackathon 2025 (₹20,000 Prize)

- Developed an AI-powered farming assistant integrating **IoT sensors, ML models, and cloud-based analytics** to provide real-time crop monitoring, yield prediction, pest detection, and irrigation optimization.
- Implemented features like **voice-based farmer interaction, multilingual support, weather forecasting, and personalized crop recommendations** for improved decision-making.
- Collaborated with a 3-member team (with **Akshay & Rohit**) to design, develop, and present the solution, winning **1st place among multiple teams**.
- Tools & Tech: **Python, IoT sensors, Cloud Services, FastAPI, Android App Interface**.