Rapolu Aniketh Vardhan

Final Year Student at Hyderabad Institute of Technology and Management

About Me

I am a passionate and highly motivated AI and Data enthusiast. Throughout my academic journey, I have honed my problem-solving skills and developed a knack for innovation. I have a solid background in AI, ML, Data Science, Data Analytics, and the development of ELT/ETL data pipelines. I have created and implemented data-driven real-world systems that include loading, transforming, extracting, and generating insights. I have also worked on many Gen AI solutions to scale many problems efficiently. With a track record of collaborating effectively in team environments, whether it my field of expertise or not, depending to the requirements I develop my skills, while learning fastly is my special ability.

Education

Hyderabad Institute of Technology and Management   2022 – 2026
B.tech in Computer Science Engineering - Data Science
CGPA: 8.81

Vision Junior College, Intermediate in Maths, Physics, and Chemistry   2020 – 2022
Marks: 980/1000

Amrita Vidyalayam, Schooling - CBSE   2020
CGPA: 8.7

Experience

NLP Research Intern, IIITH   May 2025 – Present

- **Research and Development:** Conducting research in Machine Learning and Natural Language Processing, currently focusing on building a multimodal emotion recognition system.
- **Data Preprocessing, Pipelining, and Analysis:** Collected, preprocessed, and analyzed multimodal datasets; designed a robust data pipeline to support the training of the under-development emotion recognition model.

AI Trainer Intern, Deccan AI Pvt. Ltd.   February 2025 – April 2025

- **Data Curation and Annotation:** Processed, labeled, and refined datasets to enhance AI model training.
- **Model Testing and Data Management:** Evaluated AI model performance and maintained structured datasets for analysis.

Market Research Analyst Intern, HappiMynd   July 2023 – August 2023

- **Research and Analysis:** Analyzed market trends and provided insights for product development and enhancement.
- **Strategic Thinking:** Recommended solutions to improve the product by addressing issues encountered during usage, enhancing customer satisfaction and product performance.

Skills

- **Programming and Scripting Languages:** C, Python (NumPy, Pandas, Matplotlib, Seaborn, Plotly, BeautifulSoup, Requests, SQLite3, DateTime, and Scikit-learn), SQL, HTML, CSS, and JavaScript.

- **Tools:** MongoDB, MS Excel, MS Word, MS PowerPoint, Power BI, VS Code, Google Dialog Flow, Twilio, Trulience, Google AI Studio, Streamlit, Pinecone, Render, OpenRouter, and Canva (UI/UX).

- **Technical Competencies:** Data Engineering, Machine Learning, NLP, LLM's, RAG, Data Preprocessing, Data Analysis, Data Visualization, Prompt Engineering, Gen AI, and Version Control (Git/GitHub).

Projects

- **RAG API (An API that accepts a blob URL (.pdf) and related questions via a POST request, then returns answers derived from the document's context (using FastAPI, Pinecone, LangChain, and OpenAI)):** https://github.com/aniketh0418/RAG-Application-API.git

- **AniPro - Personalized AI Chatbot for your (Aniketh's) Portfolio (A Gen AI based streamlit application that leverages the power of Gemini LLM to imprvise your portfolio game into a conversational comfort.)** https://anipro.streamlit.app/

- **Web-ETL-Suite (A mini toolbox of Python scripts that scrape, clean, and load real-world web data into structured formats):** https://github.com/aniketh0418/Web-ETL-Suite.git

- **Flood Risk Prediction in India (An ensemble machine learning pipeline that predicts flood risk levels in Indian regions based on rainfall and elevation data):** https://github.com/aniketh0418/Flood-Risk-Predictor-India.git

- **Website to Visualize CSV Data (An interactive web app to upload, explore, and visualize CSV data using charts and tables):** https://github.com/aniketh0418/CSV-Data-Visualization-Website.git

Publications

Enhancing Project-Based Learning through Technology: A Generalized Approach to Managing Key Research Areas in Higher Education
June 2024

DOI:10.46647/ijetms.2024.v08i03.034 **ISSIN: 2581-4621**

Certifications

- **Virtual Job Simulation: Data Analysis and Visualization** — Accenture via Forage
Applied data analytical techniques on data that involved Data Engineering, Modeling, Cleaning, Analysis, and Visualization to draw insights as required.

- **Advanced Python: Numpy, Pandas, Matplotlib, Seaborn, OpenCV and Scipy for Data Science and Machine Learning.** — Infosys Springborad
Learned Python libraries for Data Analysis, Data Visualization, Machine Learning and Deep Learning.

- **Power BI** — Ministry of Micro, Small, and Medium Enterprises
Learned to create data-driven visualizations and business intelligence reports.

Achievements

- **Secured 1st place at Epithon (2024).** Epithon is a National Level Hackathon conducted by Shetty Group of Institutions held in kalaburagi, Karnataka.

- **Secured 2nd place at Hack-O-Mania (2023).** Hack-O-Mania is a National Level Hackathon organized by Vidya Jyothi Institute of Technology, in collaboration with GDSC-VJIT and Hack2Skill, held in Hyderabad, Telangana.

- **Secured 1st place at Indo Universal Collaboration for Engineering Education - XPLORE Project Expo. (2022).** A project expo. conducted by IUCEE - HITAM chapter at HITAM held in Hyderabad, Telangana.

Additional Experience And Positions

- **GDG on Campus Organizer at HITAM** — 2024 - 2025
Led Gen AI Study Jams securing HITAM Tier 1 rank (6th in India, 80 swag kits), organized tech workshops (ML, Web, Android, GCP), and co-hosted national GDG events like Cloud Community Days, DevFest, and Solution Challenge Bootcamps.

- **Lead at HITAM HACKATHON CLUB** — 2023 - 2024
Organized national hackathons HYP5.0 HYP6.0 with 45+ teams, mentored students for SIH 2024, conducted Internal Hackathon at HITAM, and coordinated with sponsors, mentors, and judges for impactful industry collaboration.