Venkat Adithya

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Education

Shiv Nadar University, Chennai
- **Course:** Artificaial Intelligence and Data Science
- **Year of Study:** 2023 - expected 2027
- **CGPA:** 8.37

Resonance Junior College, Hyderabad
- Higher Secondary Education, Board of Intermediate Education- Telangana
- **Year of Study:** 2021 - 2023
- **Percentage:** 95.7

CVR Memorial High School, Anantapur
- Board of Secondary Education
- **Year of Study:** 2010 - 2021
- **Percentage:** 100

Technical Skills

Languages: Python, Java, C

Frameworks and Libraries: Django, FastAPI, Streamlit, Pandas, Numpy, Matplotlib, Seaborn, SKlearn

Database: MySQL

Tools and Platforms: Git, GitHub, Postman, Tableau

Other: Data Pre-Processing and Visualization, Machine Learning and Fine-Tuning, Rest API's

Projects

Career GPS   Career GPS ⧉
- Developed an AI-powered Streamlit web application to generate personalized career roadmaps and track weekly progress. The application uses user input or uploaded resumes to suggest learning paths aligned with specific career goals and verifies recommended resources using real-time web search.
- **Tools Used:** Python, Streamlit, Mistral-7B Instruct model(via OpenRouter API), Serper.dev(for real-time web search in RAG pipeline), SQLite3, Matplotlib

Fire Weather Index prediction   FWI Prediction ⧉
- Developed a Machine Learning classification model to predict forest fire occurrences using environmental data (temperature, humidity, wind, rain, etc).
- **Tools Used:** Python, Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Flask, HTML

Event Management System   Event Management System ⧉
- Developed a multi-page Streamlit web application to serve as a centralized platform for college event management.
- **Tools Used:** Python, Streamlit, SQLite3, Werkzeug(for data privacy)