

Venkat Sai Subash Panchakarla

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EDUCATION

Malla Reddy College of Engineering and Technology

Bachelor of Technology - **8.39 CGPA**

Maisammaguda, Hyderabad

2020 - 2024

Narayana Junior College

Intermediate MPC - **94 %**

KPHB, Hyderabad

2018 - 2020

Annapurna Public School

High School 10th Standard

Kota, Rajasthan

2017-2018

TECHNICAL SKILLS

Programming Languages: Python(NLP, GenAI, ANN), SQL, Javascript, HTML, CSS

Libraries: Sklearn, Pandas, Numpy, Git, Streamlit, LangChain, Matplotlib, Gensim, Mlflow, BentoML, DVC, Crewai

Miscellaneous: ChromaDB, FAISSDB, LaTeX, OpenAI, Ollama, RAG, AWS-Code-Pipeline, AWS Elastic BeanStalk

WORK EXPERIENCE

Data Science Intern

Cybereconn

Apr 2023 - Apr 2024

- Contributed to **Vartalap India** (Application) by developing various AI tools like **Instagram caption generator**, **Content summarizer**, **Email generator**, **LinkedIn post content generator**, **Coding examples generator**
- Developed a **RAG** based application using **Vector database** and **OpenAI embeddings** where we can query the documents which can be uploaded dynamically by browsing through system.
- Conducted thorough **Exploratory Data Analysis**. Leveraged advanced **gradient descent** algorithms, such as XGBoost. Proficiently executed **hyperparameter tuning** across various models. Employed **ensemble models** strategically to elevate the model's F1 score.

Technical Content Writer Intern

EmbarkX

Mar 2023 - Apr 2023

- Developed an entire course outline/structure for the **Data Science Machine Learning** Master Class using Python taught by Faisal Memon, an udemy professional (4.5 rated)
- Implemented various scripts on concepts like: **Lasso Regression**, **Ridge Regression**, **Support Vector Machine**, **ElasticNet Regression**, **Linear Regression**, **Logistic Regression**, **KMeans**, **KNN**, **Random Forest**, **Decision Tree**, **XGBoost**, **Gradient Boost** and **AdaBoost**.

Engineer - R & D Intern

Next Education India Pvt Ltd

Nov 2022 - Jan 2023

- Collaborated with a team of Software Engineers to work on 2 different modules. Worked under their guidance on **Lexile Module** to make it 98 percent efficient. Worked on **Youtube Subtitle Time stamp retrieval** Project using Elastic Search and Flask.
- worked in a Linux environment, using Python as the major Tech stack

PROJECTS

- Vartalap India**, Implemented various tools like Instagram Caption Generator, Content Summarizer, E-commerce product description Generator and Python Assistant. **Tech Stack - Python, LangChain, OpenAI.**
- Research Paper Comparison**, Implemented an AI application that compares two latest research papers based on a specific topic. Research papers can also be uploaded manually by the user. **Tech Stack - Python, LangChain.**
- Document Querying Application**, Developed a Retrieval Augmented Generation based application which accepts a document dynamically and allows you to query through that document. **Tech Stack - Python, LangChain, Streamlit, ChromaDB, OpenAI.**
- Stock Value prediction**, Implemented a Live and dynamic Stock Analyzer. This Web Application can predict the Stock value up to four years. It takes the stock code as input and plots appealing graphs that reflect the stock value in the future. **Tech Stack - Python, Streamlit, HTML, CSS, FBProphet, JavaScript.**

EXTRACURRICULAR ACTIVITIES

- Code-a-thon 2K23 Winner** Winner of University level Code-a-thon
- Tech Master 2022 Winner** Winner of University level Tech Quiz
- Coding Achievements** Hackerrank 5 Star problem solver, Codechef 2 Star problem solver