Veera Deepesh Gondimalla

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OBJECTIVE

"Enthusiastic data scientist eager to apply my statistical and machine learning expertise in a dynamic and collaborative environment. Over the next five years, I aspire to enhance my skills in data science and contribute significantly to cutting-edge projects in the field of data science."

EDUCATION

Bachelor of Technology (Artificial Intelligence), Mahindra University, Hyderabad.
CGPA :- 7.26*/10 (till 6th semester)
2020 - 2024

Intermediate(MPC), St. Joseph Junior College, Sunkesula Road, Kurnool.
Percentage :- 92%
2018-2020

10th Grade, Sri Chaitanya Techno School (SSC), Himayat Nagar, Hyderabad.
CGPA :- 9.83
2017-2018

SKILLS

- Technical Skills
  - Python, Machine Learning, Deep Learning, NLP and Computer Vision, LLMs.
- Tools
  - Scikit learn, pytorch, Hugging face frame work, Git, numpy, pandas.

ACHIEVEMENTS

- NVIDIA Hackathon - Winners
  - Created a **fine-tuned LLM model** for the SDK documents of NVIDIA company. We used advanced techniques of **NLP such as PEFT(Parameter Efficient Fine Tuning)** and **Falcon 7B LLM** for our project. And also presented it in ICETCI conference. Wrote the **research paper on the topic** AI-assisted learning for nvidia sdks.

INTERNSHIPS AND CETIFICATIONS

- **AI and DataScience Research Intern**
  - Company :- Cyber Sapient
  - Duration :- 2 months
  - Work :- Study the use-cases on AI related domains such as NLP, CV etc for productivity.
- Earned Generative AI course badges from Google Cloud.
- **Generative LLMs course** from CourseEra.
- Completed an online certified course on "**Introduction to NLP**". Link :- https://courses.analyticsvidhya.com/certificates/weldgdeepx
- Earned a bronze medal for NVIDIA SDK question and answer pairs dataset by Kaggle :- dataset_link

PROJECTS

Song Similarity

Mahindra University project under Dr Prafulla Madam;

- This project was undertaken to assess the degree of similarity between two songs from different musical genres.
- **Unsupervised Machine Learning** model – using fuzzy c-means, Pearson correlation and tSNE reduction techniques.
- Created the dataset for the songs and its features by using feature extraction, feature selection and dimensionality reduction tools.

Movie Review System

Self learning project

- This project aims to **generate summary**, perform **sentimental analysis** and **translate** the summary from english to 10 different Indian Languages.
- Tools/Techniques used are NLP based word embedding by tf-idf, pipelines and used **T5 LLM** for summarization and translation.

N- gram Models For Next Word Prediction

Self learning project

- This project aims to build the **traditional n-gram models** for predicting the next possible word in a sequence. The highlight is that the model was build on **Hindi language corpus**.
- The model uses the 3-gram, 4-gram and 5-gram models and then the result is based on the interpolation of these 3 models predictions.
- Tools/ libraries used :- re, nltk, n-grams .

EXTRA CURRICULAR

- Mathematics Club President -MU
  - AI domain