ATLA NARSIMHA REDDY

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OBJECTIVE:

My objective is to pursue a Master of Science degree in Big Data Analytics to develop expertise in handling large-scale datasets, implementing cutting-edge data processing techniques, and leveraging advanced analytics methodologies. With this foundation, I aim to excel in analysing massive volumes of data, extracting actionable insights, and driving informed decision-making in various industries. Post-graduation, I aspire to lead transformative initiatives by harnessing the power of big data analytics, revolutionizing processes, and contributing to strategic advancements in technology-driven environments.

EDUCATION:

B. Tech in Computer Science and Engineering (with specialization in Data Analytics) 2020 – 2024
Vellore Institute of Technology- Andhra Pradesh (VIT-AP),
CGPA: 8.34 /10

Test Scores:

IELTS English Proficiency TEST - Overall= 7.5,

Listening=8.5, **Reading**=8.5, **Writing**=6.5**, Speaking**=6.5.

RELEVANT COURSES:

Calculus for Engineers, Linear Algebra, Applied Statistics, Optimization Techniques, Foundations for Data Analytics, Data Warehousing and Data Mining, Database Management Systems, Introduction to Machine Learning, Data Structures and Algorithms, Information Theory and Coding

Programming SKILLS:

Python – Advanced
R - Medium
SQL – Advanced
Tableau - Medium
HTML - Beginner
CSS - Beginner
Flask – Beginner

RELEVANT PROJECTS

1.Echo Verse – Convert to Audiobook System – Web Application, VIT - AP **Oct 2023-Dec 2023**

- Successfully delivered a versatile text-to-audio conversion tool, enhancing accessibility by transforming textual information into easily digestible auditory format.
- Demonstrated proficiency in Python, Flask, and various libraries, showcasing the ability to develop innovative solutions to bridge technological and communication gaps for enhanced user experiences.

2.Used Vehicles Price Predictor-Web Application, VIT-AP **May 2022**

- Developed a standalone web application utilizing an HTML form to gather specific details about a pre-owned vehicle. Implemented the deployment of a machine learning model via Flask.
- Determined that among various regression models, the Random Forest model, optimized using Randomized Search CV, yielded the lowest RMSE score (approximately around 2), indicating superior predictive performance.

3.Web Scraping and Data Extraction Project: Airbnb- VIT-AP **Oct 2022**

- Conducted web scraping using Python's BeautifulSoup and Requests libraries to extract data from Airbnb's Goa listings page.
- Compiled a CSV dataset containing details of location-based Airbnb accommodations, facilitating further analysis and insights into pricing, ratings, and room details for potential use cases.

4.Market Basket Analysis: Unveiling Purchase Patterns in Supermarket Transactions, VIT-AP **Nov 2022**

- Utilized R and its libraries to preprocess vast historical transactional supermarket data, applying the Apriori algorithm for association rule mining.
- Conducted thorough analysis, unveiling correlations between purchased items and uncovering hidden customer buying behaviour patterns.

ACHIEVEMENTS:

- Grade 8, Honourable Mention - NASA Ames Space Settlement Contest 2016.