VISHNU VARDHAN GOSU







PROFILE SUMMARY

- · Adept at building and validating predictive models and presenting data insights through visualizations. Ready to apply technical skills and analytical thinking to contribute to impactful data science projects and can also build interactive front-end for the models.
- Done Projects on clustering, classification, Object Detection, predictive modeling, recommendations, sentiment analysis.
- Interest in fundamental research in areas of data science and analytics. Done projects and gained knowledge in numerous varieties of data (text, numerical, images) from multiple domains: transport, financial and retail.

CERTIFICATION

Problem Solving of Java

Hacker Ranker

Fundamentals of Data

Google (Coursera)

EDUCATION

B.E (Computer Science & Engineering)

Muthayammal Engineering College - Rasipuram, Anna University

Intermediate (MPC)

Vizag Defense Academy - Vijayawada

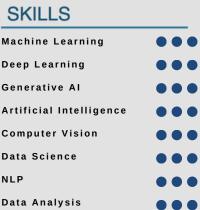
10th Class

Sri Chaitanya School - Ongole

Aug,20 - Mar,24

Aug,17 - Jun,19

Aug,16 - Jun,17



TECHNOLOGIES

Python, Java

Programing Language

Sk-Learn

ML Library

Tensorflow, Keras

NLTK, Spacy

NLP Library

Matplotlib, Seaborn

Visulization

OpenCV, Sk-Image

Computer Vision Library

PyTorch

Gen Al Library

Pytessoret

PROJECTS

Project Details	Next Word Prediction using LSTM
Project Description	 Built an accurate and efficient next-word prediction systems, because traditional models struggle with creating lengthy and meaningful text Addressing the goal of train Long Short-Term Memory (LSTM) model with large data set like books and internet blogs to enhance next-word prediction in text sequences.
Languages/Technologies/Tools	Python, TensorFlow, Keras, LSTM, Tokenizer, Softmax, Adam optimizer, Categorical Crossentropy
Responsibility	 Tokenized the text into individual words or subwords and the LSTM model with activation function softmax to the output layer because its functionality is for miulticlass. Executed Adam optimizer with minute learning rate and with epochs for good accuracy. Auto-complete: Suggesting the next word in a text editor or search bar, Chatbots: Generating human-like conversations are mostly use d places by this models.

Project Details	Large Language Model (LLm)
Project Description	 Needed accurate and timely answers to a wide range of questions Information Retrieval, the LLM can quickly access and provide.
Languages/Technologies/Tools	API key, Python
Responsibility	 Implemented a Large Language Model (LLM) as a virtual service agent for questions. Usage - Improved Efficiency: The LLM can handle multiple inquiries simultaneously, reducing wait times and improving customer satisfaction. Personalized Service: The LLM can learn from customer interactions and tailor its responses to individual needs. Language Translation: The LLM can translate customer inquiries and responses into different languages.

Project Details	Text Summerization using Specy
Project Description	 Extracted summary from large data like research reports and documents that can be analyzed. Improves efficiency by identifying the main topics discussed in the complex documents and pick key information from each document or report.
Languages/Technologies/Tools	Python, Spacy, Corpus, Tokenization, Stopwords, Word frequency, Word Token Score
Responsibility	 Identified tokens and removed stop words from the tokens using spacy (unlike nltk, specy is easy call able we can perform same task using nltk too.) Got most frequent tokens and built a sentence which led to a summary. Useful for Customer feedback analysis: Analyze customer reviews to identify common themes and trends, Meetings Analysis: Analyse Key Ideas in a meeting News aggregation: Create concise summaries of news articles to stay informed.

Project Details	Medical data cleaning (EDA)
Project Description	 Feature Engineering is the first & main step for data Scientist. Found the correlation between the attributes, applied univariate and bivariate analysis.
Languages/Technologies/Tools	Python, Numpy, Pandas, Seaborn, Corr, Heatmap, Matplotlib, Mode, Nan, Select K-Best
Responsibility	 Found missing data using info function fill it using mode function. Got Dependent variable relevant features out using corr function or Select K- best. Visualized graphs to find outlier, drop it if it is irrelevant to the data set. Exploratory Data Analysis is many steps for further prosses if hadn't performed correctly it led to many problems like Multicollinearity and accuracy problems.