TARUN GUPTA

tarunguptadb@gmail.com|LinkedIn|GitHub|Kaggle

EDUCATION

G.L.A UNIVERSITY
Bachelor of Technology (Computer Engineering)   *Aug 2019 –May 2023*
(CGPA: 7.92/10.0)

SHRI JI BABA SARASWATI VIDYA MANDIR
Senior Secondary Education   *April 2018–May 2019*
(Percentage: 86.1)

SKILLS

Programming Languages: Python,C++,Java,R
Machine Learning Libraries: Tensorflow,scikit-learn, DecisionTreeclassifier,Random Forest classifier
Deep Learning Libraries: Keras, CNN,RNN,Computer Vision,CNN,RNN,Pytorch,Opencv
NLP Libraries & Tools: NLTK ,spacy,Jupyter, Git,Web Scraping,streamlit
Large Language Models & Frameworks : Hugging face,Gemini-pro,Langchain
Database: MySQL,vectordb,chromeadb

PROJECT EXPERIENCE

Youtube Transcripter||Large Language Model ,Generative AI ,Google Gemini   **LINK**
- Integrated LLM-based transcript analysis: Incorporated cutting-edge **Large Language Models google gemini** into the application to perform sophisticated analysis of YouTube video transcripts.
- Empowered Streamlit application with **LLM**-driven intelligence to dynamically generate detailed notes from YouTube transcripts
- **Performance Metrics:** accuracy of over **90%** in extracting key information and generating detailed notes from YouTube transcripts

TOMATO CARE AI |Deep Learning,CNN, Tensorflow,Keras| **LINK**
- **Project Development:**Developed a custom **sequential architecture** for a **CNN-based** using tomato image
- **Algorithm Implementation:**Utilized a **Convolutional Neural Network model,** meticulously crafted and optimized for the specific task
- **Optimization technique:**Applied **Rescale**,**Resize** and **Data Augmentation** optimization technique for better accuracy.
- **Performance Metrics:**Demonstrated the model's efficacy by achieving an **accuracy score** of **95%** on training data and accuracy score of **93%** On real world data.

SENTIMENTAL ANALYSIS PROJECT| | DEEP LEARNING DOMAIN|[NATURAL LANGUAGE PROCESSING]   **LINK**
- **Sentiment Analysis Project:** Led a project focused on analyzing customer sentiments towards an airline company through **web scraping techniques**.
- **Natural Language Processing (NLP)**:Employed advanced NLP tools such as **NLTK** or **spaCy** to process and analyze the collected textual data.
- **Sentiment Analysis Metrics:-**Engineered sentiment analysis model with **90% accuracy**, **0.88 precision**, **0.92 recall**, and a Confusion Matrix showing **500** true positives. Achieved a robust **ROC AUC** of **0.95** and Cohen's Kappa of **0.85** for precise sentiment classification in the aviation domain.

PROFESSIONAL EXPERIENCE

British Airways
Data Scientist Intern   **Virtual**
                                                                                                                                  Oct 2023–Nov 2023
- Completed a simulation focusing on how **data science** is a critical component of British Airways success.
- **Web Scraped** and **analyzed** customer review data to uncover findings
- Built a **predictive model** to understand factors that influence buying behavior

ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- Completed **Data Analytics and Visualization** virtual **Internship** from **Accenture**.
- **SQL's 4 star Silver Badge** and **C++ 5 star Gold Badge** on **HackerRank**.
- **Kaggle 3x Expert** on **kaggle.**
- Solved **300+ problems** on **leetcode** and **geeks for geeks**.
- Completed **Deep Learning,Machine Learning,Feature Engineering,Data Visualization** From **Kaggle.**