DEBKALPA DAS

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Linkedin | Github | Portfolio

SUMMARY

Innovative and enthusiastic CSE Professional. Proficient in data visualization, manipulation and analysis. Skilled in problem solving, creative thinking, leadership and management. Looking forward to expand my skill set and knowledge, and gain more experience and expertise in this domain.

EXPERIENCE

Sentiment Analysis using Deep Learning   Remote
Capstone Project and Research   *Feb 2024 – May 2024*
- This project uses **Convolutional Neural Networks (CNNs)** and **Long Short-Term Memory (LSTM)** networks to automatically classify movie reviews into two categories: Positive sentiment and Negative Sentiment.
- A **final accuracy of 90.28** shows the robustness of our model and how capable it is to predict sentiment of a given review.
- Developed an advanced word embedding technique with **GloVe** to facilitate the analysis of user-generated content, leading to the identification of 500+ new keywords that improved search relevance by 40%.

PROJECTS

Superstore Sales Dashboard [MS Excel]   Sep 2024
- Displays sales, profit, transactions and contributions of a Superstore for the duration 2014-2017.
- Analyzed segment sales, products sold and transactions to get in-depth insights of the profit generated.
- Used bar graphs, pie charts, spark lines, filters and slicers, improving data visualization efficiency by 50%.

Music Player [Python]   Aug 2024
- Python-based music player application featuring a modern design, responsive layout, and enhanced UI.
- Utilized Pygame's mixer module to load and play audio files, support MP3, and offer diverse playback features.
- Created a responsive Tkinter GUI using grid system, boosting user experience and increasing engagement by 45%.

Road Accidents Dashboard [Tableau]   Jul 2023
- Visualizes different types of road accidents from 2019 to 2022 for comprehensive insights.
- Utilized key performance indicators (KPIs) and action filters for tailored and efficient data visualization.
- Showcased yearly vehicle type comparisons using graphs, spark lines and donut charts, enhancing clarity by 60%.

SKILLS

Python , **Tableau** , **R** , **MS Excel** , **Machine Learning** , **SQL** , **Game Development** , **DevOps** , **Cloud Computing**

ACHIEVEMENTS

5 Stars in Python, Hackerrank
4 Stars in Java, Hackerrank
3rd Position in YBI Challenge in LPU

CERTIFICATIONS

R Programming from **Coursera**
Data Science Specialization from **LPU**
DBMS - InfySpringBoard from **Infosys**

EDUCATION

Lovely Professional University   Phagwara, Punjab
B.Tech Graduate, Computer Science Engineering (7.41 CGPA)   *August 2020 – May 2024*

BSF Kadamtala   Siliguri, West Bengal
Higher Secondary, Computer Science. (8.04 CGPA)   *August 2018 – May 2020*