HEMA SAI SASAPU

DATA ANALYST

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EDUCATION

ADVANCED CERTIFICATION IN DATA SCIENCE AND AI   2022-2023
Conducted by iHUB DivyaSampark at Indian Institute of Technology Roorkee

GITAM UNIVERSITY, Vizag   2021 –2023
Master of Science – Data Science
CGPA: 8.5

PROJECTS

STOCK PRICE PREDICTION USING LSTM AND RNN
- Developed and deployed a robust stock price prediction model using Python and advanced machine learning techniques, achieving 69.7% accuracy.
- Conducted thorough testing and evaluation on a large dataset of over 10,000 data points to validate the effectiveness and accuracy of the implemented algorithms.

Customer Churn Prediction (Python, sci-kit-learn, matplotlib, seaborn):
- Developed and implemented a customer churn prediction model using Decision Trees and Random Forests algorithms, achieving an impressive accuracy rate of 90%.
- Utilized Python and the sci-kit-learn library for data preprocessing, feature engineering, and training the predictive model.
- Employed matplotlib and seaborn libraries to create visualizations, presenting churn insights through insightful charts and graphs.

YouTube Data Analysis and Recommendation System (YouTube Data API, Data Engineering, NLP):
- Leveraged Python and YouTube Data API to conduct an in-depth analysis of YouTube data, extracting actionable insights on user behavior, video trends, and audience preferences.
- Applied data engineering, NLP, and sentiment analysis techniques to develop a robust recommendation system, driving personalized video suggestions, improving user engagement, and empowering data-driven decision-making for content creators and marketers.

SKILLS

- **Programming Languages:** Python (NumPy, Pandas), SQL, NOSQL
- **Statistical Analysis:** Hypothesis testing, Regression analysis
- **Data Manipulation:** Data cleaning, Feature engineering, Data preprocessing
- **Data Visualization:** matplotlib, Seaborn
- **Machine Learning, Model Evaluation, and Validation**

CERTIFICATIONS

- Google Data Analytics Professional Certificate, issued by Google, Completed in June 2022