DHRUV CHETAN SONI

Data Scientist

Contact Info

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Summary

Highly motivated Data Scientist, pursuing a Post Graduate Diploma in Machine Learning and Artificial Intelligence. Possessing an inclination for learning new technologies , I combine a strong work ethic with a commitment to excellence. Seeking a role to leverage expertise in Data Science, Machine Learning, and NLP with Python.

Skills

- Python
- SQL
- R
- Machine Learning
- Deep Learning
- Artificial Intelligence
- Tableau
- Power BI
- Matplotlib
- Natural Language Processing (NLP)
- Statistical Analysis
- Time Series Analysis
- Data Science
- Data Analysis
- Data Mining
- Data Visualization
- Excel
- Git
- Feature Engineering
- Hadoop
- Spark
- Scikit-Learn
- Pandas
- Evaluation Methods
- Jira
- API Postman
- AWS

Experience

Project: Advanced Data-Driven System for Mortgage Fraud Detection and Credit Risk Management

- **Domain:** Finance
- **Key Contributions:**

  - Defined the problem statement and domain, leading to the collection of necessary information.
  - Initiated Data Analysis and Data Wrangling processes using data collected via AWS S3 Bucket.
  - Performed extensive Exploratory Data Analysis (EDA) including Univariate and Multivariate analysis using Pandas, Numpy, Matplotlib, and Seaborn to check correlations.
  - Implemented Feature Engineering, covering missing value treatments, outlier handling, encoding, scaling, binning, and feature selection.
  - Utilized and evaluated various Classification Models to build the fraud detection system.
  - Developed a Web Framework using Flask and validated the model using Postman for testing.
  - Collaborated with senior data scientists and analysts to provide valuable insights and support data-driven decision-making.

Project: Advanced NLP Techniques for Pharmacovigilance
- **Domain:** Healthcare
- **Key Contributions:**

  - Collected pharmacovigilance data from sources including Surveys, Google Forms, Reviews, and Feedbacks.
  - Performed initial preprocessing by detecting language, translating to English, and converting text to lower case.
  - Executed EDA, including NGram analysis where Domain specific Stopwords were removed, and performed root cause analysis by extracting Keyphrases using Word Cloud.
  - Cleaned data by removing punctuations, stopwords, and using normalization, alongside autocorrections via Autocorrect and Textblob Libraries.
  - Applied techniques like stemming, Count Vectorizer, TFIDF, and Word2Vec.
  - Used Yake or Rake for handling spaces, new lines, blank lines, contraction mapping, and accented characters.
  - Selected a proper Classification Model and evaluated its performance.
  - Collaborated with cross-functional teams and seniors to validate and refine NLP models based on domain-specific feedback.

Education

Bachelor of Commerce from Viva College
Post Graduate Diploma in Machine Learning and Artificial Intelligence

Personal Details

Name: Dhruv Chetan Soni
Nationality: Indian
Languages Known: English, Hindi, Marathi, and Gujarati

Note: I can join Immediately