MD FURQAN

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EXPERIENCE

Netzwerk Academy

Data Science Intern *August 2022 – Present.*

- Implemented natural language processing (NLP) algorithm and WordCloud on the scraped data of platforms like Facebook, Twitter, Pinterest, and Instagram.
- Used web scraping libraries such as Request and selenium to collect the text based data from those platforms.
- Used KeyBert for the extraction of specific keywords for the sentiment analysis and implemented on WordCloud for the graphical representation of word frequency, which emphasize words that appear frequently.
- Built a State wise stock market sentiment analysis using web scraping after research on pros and cons of using content and collaborative based filtering.

SKILLS AND EXPERTISE

- **Programming Languages:** Python, SQL
- **Databases:** MySQL
- **Data Processing:** MS Excel, pandas, numpy, sklearn, keras, tensorflow.
- **Data Visualization tools:** Power BI, Tableau, Minitab, matplotlib, seaborn.
- **Academics:** Data analysis, Probability theory, Statistics modeling, Machine Learning.
- **Others:** English, Hindi, attention to detail, critical thinking, verbal and written communication skills.

EDUCATION

Visvesvaraya Technological University KALABURAGI, India

Bachelor of Engineering; CGPA: 7.6/10.0 *Aug. 2019 – July. 2022*

Certifications

- *Advance Data Science course with Hands-on GPU from Netzwerk Data Science Academy an ISO certified institute.*
- *Lean Six Sigma green belt from Unique Sigma.* *March 2022*

ACHIVEMENTS

- **Lead a team:** During my final year project which is Titled as "**variation reduction of disc brake part using 7Quality Control tools"** such as (Check Sheet, Fishbone Diagram, Histogram, Pareto Chart, Control Chart, Scatter Diagram etc.) And DMAIC Methodology with the help of MINITAB (statistical software), we achieved reduction in variation of disc brake part by 30%.

PROJECTS

- **State Wise Stock Market Sentiment Analysis Using Web Scraping:** Created a State-Wise stock market sentiment Analysis of social media keywords for planning and advertisement. uses web scraping tools to collect text-based data from platforms like Facebook, Twitter, Pinterest, and Instagram. The data is then processed using a natural language processing algorithm for specific keywords, as well as WordCloud for graphical representation. The result is a list of keywords that can be used for state-wise sentiment analysis of the stock market.
- **Used Cars Price Prediction:** In this Machine Learning Project I used Random Forest Regressor model to predict used cars price based on some attributes such as kilometers driven, age, number of previous owners etc.
- **Global Super Store PowerBI Sales Dashboard:** Analyzed Global Superstore 2016 data. Performed data cleaning, transformation and visualization using maps, bar graphs, pie chart and many more. The end result of this project is an interactive Dashboard with interesting insights to make better business decisions.
- **Churn Prediction Using ANN**: Implemented ANN to identify customers intended to leave a service provider. As a result of this modeling enables the companies or organizations to identify the areas where they lag behind, thereby enabling them to rectify those issues and also aid in increasing the retention rate.