




Reesu Jagan

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CAREER OBJECTIVE:

As an aspiring data enthusiast, skilled in statistics and machine learning, my objective is to leverage my abilities to uncover valuable insights from complex data sets. With a proven track record of effectively communicating data-driven results, I am passionate about solving real-world problems and driving meaningful impact for businesses.

WORK EXPERIENCE:

Soothsayer Analytics | Associate Data Scientist

Mar 2023-Apr 2023

- Scraped, pre-processed, analysed, and visualized large volumes and text data from e-commerce websites.
- An end-to-end deep learning model for fashion product recommendations was developed and deployed. Communicated data insights and findings to co-workers and managers through presentations and reports

INSOFE | ML Engineer -Trainee

Feb 2022 - Mar 2023

- Completed a Work Integrated Learning Program to become a skilled Data Science Professional, which involved training in machine learning, big data technologies, computer vision, and natural language processing under experienced mentors.
- Acquired practical skills in Big Data technologies such as Hadoop, Docker, and MLOps using Jenkins and Microsoft Azure.

PROJECTS:

1. Clothing Similarity Search: (NLP-Recommendation search engine)

- The end-to-end deep learning project was a significant endeavour for the internal team to finalize the fashion product prices compared to the competitors in the ecommerce market. Scraped data from multiple websites, trained model using NLP Techniques and pre trained model, designed front end in Stream lit, Using CSV file inputs and deployed on Azure cloud , provided a competitive edge in the e-commerce market through accurate pricing and increased customer acquisition.

2. Facial-Expression-Recognition:

- Facial Expression Recognition using PyTorch involves building and training models to identify emotions conveyed by human faces. The project includes dataset preparation, data pre-processing, model architecture design (utilizing ResNet), training, evaluation, testing, and deployment. PyTorch's flexibility and efficiency make it a popular choice for accurate facial expression recognition.

3. Robust yield prediction of various farm processing units (TIME SERIES FORECASTING)

- This project aims to collect data on new market behaviour and develop demand forecasting models using feature engineering, weighted data upload, intermittent demand forecasting, and LSTM-NLP techniques to improve supply chain management efficiency.

4. Blow-Moulding-price-prediction:

- This project focuses on predicting blow moulding contract prices to optimize pricing, supply chain management, and decision-making. It involves data preprocessing, exploring seasonality and trends, and utilizing XGBoost for accurate forecasts with significant features and outlier detection.



KEY SKILLS:

- **Programming:** Python, R, MATLAB, JavaScript, C
- **Libraries:** Pandas, numpy, seaborn, scipy, BeautifulSoup
- **Statistical Modeling:** Linear regression, logistic regression, regularization techniques (Ridge-LASSO, ElasticNet/PCA), Time series forecasting methods (ARIMA, smoothing techniques)
- **Machine Learning:** Clustering, decision trees, random forest, SVM, Boosted trees, Auto encoders
- **Optimization and Decision Analysis:** Linear programming, non-linear programming, genetic algorithm, goal programming
- **Big Data Engineering:** Linux, MySQL, Hadoop, MapReduce, Spark, Hive, NoSQL, MongoDB, Azure (Data Factory, Data Lakes, Data Bricks, Synaptics)
- **Data Visualization:** Tableau, Power BI
- **DevOps/MLOps:** Docker, Jenkins, Git, Flask, Streamlit, W&B, Evidently ai
- **Computer Vision:** Image processing, object detection, convolutional neural networks (CNN)
- **NLP:** Data Mining, Text Analytics, sentiment analysis, RNN, LSTM, GRU, transfer learning, Hugging Face ecosystem, Langchain, LoRA fine tuning, Nvidia-Nemo tool kit



EDUCATION:

- **Up Grad INSOFE - Hyderabad** | *Post Graduate Program In Computational Data Science*
Mar 2022- Feb2023

Cumulative Marks 63/65
- **Rajiv Gandhi University of knowledge and Technologies- Nuzvid** **Apr 2018- Mar 2022**
Bachelor of Engineering [Mechanical Engineering]
CGPA: 8.



CERTIFICATIONS:

- Post Graduate Certificate in Computational Data Science jointly presented by INSOFE and Case Western Reserve University
- Volunteered for the National Service Scheme (NSS) from 2017 to 2019.



ADDITIONAL INFORMATION:

Languages known:	LinkedIn	GitHub	Kaggle
Telugu, Hindi, English.	reesu-jagan 115401232	codejay12	jaygun84