

JAIDEEP PRASHAR

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Work Experience

SupplyCopia

Jul 2023 - Jan 2024

Data Analyst

Noida, Uttar Pradesh

- Leveraged NLP techniques like TF-IDF, NLTK & hierarchical SVM model to classify over 800k product descriptions to UNSPSC commodity codes by building a pipeline for data preprocessing, feature engineering, & model training thereby improving inventory categorization accuracy by 25% & business decision-making.
- Utilized Python & SQL to extract, cleanse, & analyze extensive healthcare price parity datasets from Amazon Redshift. Used statistical techniques to identify outliers, trends, & generated actionable insights via detailed Power BI dashboards.

Nuage BizTech

Mar 2023 - May 2023

Data Analyst Intern

Noida, Uttar Pradesh

- Implemented a robust pipeline to extract & analyze Windows Application Firewall logs from AWS CloudWatch that contain client IP addresses, location, etc. to identify potential malicious activities through in-depth visualizations.
- Developed an Isolation Forest-based anomaly detection model using machine learning to uncover suspicious domain names from IP address data & ranking unusual traffic sources.

Genpact

Aug 2022 - Feb 2023

Data Scientist Intern

Bengaluru, Karnataka

- Developed and implemented various ML & DL regression algorithms on over 3k data points to predict how far an electric vehicle would go by analyzing factors like average speed, tire type, etc. enhancing the prediction accuracy by over 10%.
- Collected, studied & preprocessed a massive amount of data to perform time-series demand forecasting of various food products using statistical models like ARIMA & Exponential Smoothing that led to optimized inventory management, sales strategies & improved product availability.

Technical Skills

Programming & Database: Python, SQL

Machine Learning/Deep Learning: NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib, Tensorflow, Keras, PCA

NLP: nltk, Seq2Seq, BERT, Bag-of-Words, TF-IDF, RNNs, LSTMs, NER, Spacy

Technologies/Frameworks: Git, GitHub, VSCode, Jupyter Notebook, Microsoft Excel, Power BI, Streamlit

Education

Bennett University

Jul 2019 - Dec 2023

Bachelor of Technology, Computer Science and Engineering (CGPA: 7.9/10)

Greater Noida, Uttar Pradesh

Somerville School

Apr 2018 - Mar 2019

Class XII, Science, CBSE (Percentage: 90.8%)

Noida, Uttar Pradesh

Projects

Medium App Reviews Sentiment Analysis - [Link](#) / [GitHub](#)

- Enhanced customer insights by developing an end-to-end sentiment analysis web app leveraging 53,000+ Medium app reviews from the Google Play Store.
- Applied advanced NLP and data cleaning techniques, such as eliminating special characters and stopwords, and implemented TF-IDF vectorization to train an optimized Random Forest Classifier model enabling real-time sentiment prediction of user-submitted reviews, aiding in customer feedback analysis & strategic decision-making.

NLP-driven Analysis of News Articles with NER & Topic Modeling - [Link](#) / [GitHub](#)

- Leveraged advanced NLP techniques like Named Entity Recognition with spaCy & BERT, as well as Topic Modeling using Latent Dirichlet Allocation (LDA) and modern BERTopic algorithms, to give actionable insights on real-world news articles that improve content strategy, market analysis, & trend identification.

NBA Rookies - [GitHub](#)

- Using various classification models, achieved 98.5% accuracy in predicting whether a basketball player's NBA career will flourish based on different features like his field goals percentage, 3-pointer percentage, defensive rebounds of the player, etc.