Om Gulshan

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Summary

Highly motivated Engineering final year student with a passion for problem-solving, data analysis, and patent research. Proficient in Python, C++, and data science libraries (NumPy, Pandas, Matplotlib). Skilled in data manipulation, visualization (PowerBI), and database management (MYSQL). Eager to contribute to a dynamic team as a fresher patent analyst, specializing in Patent analysis, FTO (Freedom to Operate), Prior art search, Intellectual property rights, and Infringement analysis.

Skills

Technical Skills:	Python, SQL, C++, Power BI, NumPy, Pandas, Matplotlib, Web Scraping
Areas of Interest:	Data Analytics, Machine Learning, Patent Analysis, Patent Research, FTO, Prior Art Search, Intell

Experience

Analyst

Invact Metaversity   January 2023 - August 2023, Bengaluru

- Utilized Power BI and Python (NumPy, Pandas, Matplotlib) for data analytics and visualization.

- Gathered data through web scraping, ensuring diverse datasets for analysis.

- Created multiple financial models using Excel.

- Provided actionable insights to stakeholders, facilitating data-driven decision-making.

- Contributed to data-driven strategies, enhancing business outcome accuracy by 13

Projects

Cricket Data Analytics Project
January 2023 - February 2023
Key Skills: Python, NumPy, Pandas,Machine learning
Project Link: https://github.com/omgulshan/Cricket-Data-Analytics-Project

- Developed Python scripts and a custom library using Pandas for efficient web scraping of cricket data from various online sources.

- Conducted comprehensive statistical analysis, uncovering valuable player and team performance trends.

Visualization of patent insights for year 2023

February 2023 - April 2023
Key Skills: Power BI
Project Link: https://github.com/omgulshan/patent_analyst/tree/main/powerBi%20project

- Designed and developed interactive dashboards and reports in Power BI, providing a holistic view of various patent related parameter at different IPO located at Delhi,Mumbai,Chennai,Kolkata.

- Utilized Power BI's advanced analytics features to predict average number of days between filling and approval.

Price Prediction Project

May 2023 - July 2023
Key Skills: Python, Feature Selection, Data Cleaning, Machine Learning
Project Link: https://github.com/omgulshan/price-prediction-project

- Gathered and combined relevant data from multiple sources, including real estate listings and automobile databases, for analysis.

- Conducted extensive data cleaning and preprocessing using Python and its libraries, ensuring data integrity and eliminating outliers.

- Applied machine learning regression algorithms, such as Linear Regression.

- Utilized feature engineering techniques to enhance model performance and identify the most influential factors impacting car and house prices.

- Assessed model accuracy and fine-tuned hyperparameters to optimize prediction results, achieving reliable and interpretable price forecasts.

ZOMATO Data Analysis

May 2023 - July 2023
Key Skills: SQL, Web Scraping, Analytical Skills
Project Link: https://github.com/omgulshan/ZOMATO-Data-analysis-using-SQL-project

- Developed Python-based web scraping scripts to extract restaurant data from Zomato's website, including ratings, cuisines, locations, and user reviews.

- Implemented SQL queries for data cleansing, transformation, and aggregation, ensuring accuracy and consistency in the dataset.

- Utilized SQL-based analytics to measure customer satisfaction, identify popular cuisines, and assess the impact of location on restaurant success.

- Presented clear and concise reports with actionable recommendations, facilitating data-driven decision-making for stakeholders.

Education

Bachelor of Mechanical Engineering
UIET, Panjab University   Chandigarh   2024   GPA: 8.5

Campus Involvement

Branch Coordinator
Training and Placement Cell, UIET, Panjab University   April 2022 - Present

- Organize and coordinate career fairs, connecting students with potential employers and internships to maximize job placement opportunities.

- Maintain an extensive database of employers and job openings, actively matching students with suitable positions based on their qualifications.

Core Member
Technical Society, UIET, Panjab University   August 2022 - Present

- Drive technical initiatives and events, including workshops and seminars.

- Manage online platforms and engage with members.

- Contribute to technical projects and research efforts.

- Foster an inclusive and collaborative environment.

- Expand membership and establish industry connections.

- Stay updated on emerging technologies.

- Provide mentorship to junior members.