Kanchan Bishnoi

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Skills Summary

- **Languages**: Python, SQL
- **Modules**: Scikit, Pandas, NumPy, TensorFlow, Matplotlib, Seaborn, Plotly, SciPy
- **Tools**: Excel, Power BI, Jupyter Notebook, PostgreSQL, MySQL, SQLite
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

Projects

- **Exploring Popular Cuisines and Restaurant Demands in Swiggy's Data**
  Link
  - **Data Cleaning**: Extracted and cleansed data from Swiggy, ensuring integrity by removing 10% of skewed or insignificant entries, resulting in a refined dataset of over 4,000 restaurants across 12 cities.
  - **Data Analysis**: Conducted detailed analysis on 5 KPIs (average rating, number of reviews, price category, cuisine preference, dietary preference) across 12 cities, identifying trends such as Mumbai's average rating of 4.21 and Jaipur's 388 affordable restaurants.
  - **Data Visualization**: Developed interactive charts and graphs using Matplotlib and Seaborn to visualize the distribution of price categories and cuisine popularity, aiding strategic decisions for menu offerings in cities like Bangalore (584 affordable restaurants) .
  - **Statistical Methods Used** : Utilized statistical techniques to calculate average ratings and review counts, revealing customer satisfaction trends (e.g., Bangalore's high average rating of 4.23) and informing targeted marketing strategies.

- **Decadal Trends in Maximum Annual Temperatures in India**
  Link
  - **Data Cleaning**: Collected and refined temperature data for India, ensuring accuracy by cross-verifying with government reports, resulting in a comprehensive dataset spanning multiple decades.
  - **Data Analysis**: Conducted analysis on temperature trends, identifying fluctuations and record highs such as the peak of 31.5°C in 2016, with supporting years 2009 (31.37°C) and 2017 (31.31°C), highlighting a significant long-term upward trend.
  - **Data Visualization**: Created detailed visualizations to illustrate annual temperature fluctuations and long-term trends, and identified May as the hottest month in 117 instances, providing clear insights into monthly temperature patterns.
  - **Statistical Methods Used** : Employed statistical techniques to compare mean temperatures of earlier years (30.23°C) to recent years (30.95°C), confirming a rise of 0.7°C, corroborated by government data indicating a 0.6°C increase, to substantiate the overall warming trend.

- **Market Analysis of AI and ML Job Trends and Salary Comparisons**
  Link
  - **Data Cleaning**: Ensured dataset integrity by confirming no null values and verifying appropriate data types for each column, enabling accurate downstream analysis.
  - **Data Analysis**: Identified top in-demand AI/ML job titles (Data Engineer, Data Scientist, Data Analyst) and quantified a 12.2% salary increase from 2022 to 2023, adjusted for inflation.
  - **Data Visualization**: Developed visual representations of job level distributions in the AI/ML sector, illustrating that senior level positions dominate with 71.8%, followed by mid-level (19.5%), entry-level (5.7%), and executive-level (3.1%).
  - **Statistical Methods Used** : Computed average salaries by experience level and work year, highlighting key trends such as 2023 salaries: Entry Level ($133,415.77), Mid Level ($144,642.04), Senior Level ($168,366.71), Executive Level ($197,373.88).

Education

- **C.M.G. Govt. Girls College** — Haryana, India
  Bachelor of Science; Percentage: 70
- **M.A. Public School** — Haryana, India
  Senior School Certificate; Percentage: 69

Honors and Awards

- Winner at State Organised College level Environment Quiz
- Runner's Up at State Organised College level Environment Debate Competition
- Runner's Up at Inter College Debate Competition