AANCHAL GYANEE

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SUMMARY

Experienced Data Analyst at **Sun Pharmaceutical Industries Ltd.** with a strong foundation in **Statistics** and **Big Data Analytics**. Skilled in statistical modeling, data visualization, and machine learning using tools like **Python, R, Hadoop, PySpark, Tableau**, and **Power BI**. Passionate about extracting insights to drive informed, data-driven business decisions.

Work Experience

Data Analyst Intern - Sun Pharmaceutical Industries *February 2024 - July 2024*

- Spearheaded data analysis initiatives supporting HR and customer insights.
- Developed a predictive model to benchmark expected performance ratings based on key employee attributes.
- Gathered data from various sources such as ERP databases, clinical trial systems, sales data platforms, and HRMS.
- Developed real-time dashboards using tools like **Tableau** and **Power BI** to monitor KPIs.
- Cleansed large datasets to remove inaccuracies, duplicates, and inconsistencies.
- Developed and implemented data management monthly/quarterly goal reports and QC procedures to support them.
- Preprocessed structured and unstructured data.

Projects

1. **Performance Appraisal Rating of Employees**
   - Conducted in-depth analysis of employee performance ratings to identify patterns, bias indicators, and gaps in appraisal consistency across departments.
   - Utilized **Python** (**Pandas, Numpy**), **SQL**, and **Tableau** for data wrangling, statistical analysis, and dashboard creation.
   - The dashboard was created using different visuals according to the data heads given in the data set.
   - **Outcome:** Improved HR decision making and appraisal fairness; enabled a 25% reduction in appraisal review time through automated report generation.
2. **Customer Churn Analysis of Telecom Company**
   - Analyzed telecom customer data to detect churn patterns using logistic regression and decision tree models.
   - Engineered features related to usage behavior, service complaints, and plan changes to improve prediction accuracy.
   - Created a churn prediction dashboard to visualize high-risk customers.
   - **Outcome:** Supported retention strategies that could potentially reduce churn by 18%; reduced data processing latency by 30% through optimized **SQL** queries and batch data pipelines.
3. **Analysis and Forecasting of the Vital Statistics of Population using Time Series**
   - The aim of this project was to analyze historical population data and forecast key vital statistics such as birth rate, death rate, and overall population growth.
   - Conducted exploratory data analysis to understand trends, patterns, and seasonality.
   - Techniques used for this project are **Time Series Decomposition, Stationarity Testing, Modeling and Forecasting**, and **Visualization**.
   - **Outcomes:** Successfully forecasted India's population statistics for the next decade with over 92% accuracy for short-term predictions. Provided policy-relevant insights, such as the expected decline in birth rate and increase in life expectancy.

Skills

Programming Languages :	SQL, Python, R, Scala
Big Data Tools :	Hadoop, PySpark
Visualization Tools :	Tableau, Power BI
Data & Analysis :	Statistical Modeling & Analysis, Time Series Analysis, Hypothesis Testing, ETL Tools
Machine Learning :	Machine Learning (ML), Deep Learning (DL)

Education

2022 - 2024 Master of Science (Big Data Analytics) **St. Xavier's College - Ahmedabad, India**
2019 - 2022 Bachelor of Science (Statistics) **Shri Vaishnav Vidyapeeth Vishwavidyalaya - Indore, India**