SHREEGANESH BHAT

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OBJECTIVE

Curious and analytical aspiring Data Analyst passionate about turning complex datasets into actionable insights, uncovering meaningful patterns, and supporting smarter, data-driven business decisions.

EDUCATION

Bachelor of Science (B.Sc) in Computer Science and Mathematics 2022–2025
MES MM Arts and Science College, Sirsi, Karnataka CGPA: 8.2

SKILLS

Python, Excel, SQL, Power BI, AI/ML

EXPERIENCE

Data Analytics & Machine Learning Intern Oct 2024 – Apr 2025
Zetacoding Innovative Solutions, Bengaluru, Karnataka

- Developed a predictive model for asthma risk in children using a large-scale dataset from the UCI Machine Learning Repository, achieving 98.9% accuracy with Random Forest.
- Performed data cleaning and preprocessing using Python libraries (NumPy, Pandas, Scikit-learn), handling missing values, removing outliers, transforming categorical variables, and preparing the dataset for analysis and modeling.
- Identified key predictive factors associated with asthma risk (Gender, Difficulty Breathing, Allergies, Medication) through feature analysis and visualizations using Matplotlib and Seaborn, enabling clear interpretation of patterns and statistical trends.

PROJECTS

1) Hotel Booking Data Analysis *(Tools: MS Excel, SSMS, Power BI)*

- Analyzed multi-year hotel booking data (2018–2020) to consolidate and standardize records, deriving key business metrics such as yearly revenue trends, booking volume, hotel-type performance, and parking utilization, providing actionable insights to optimize the business environment.
- Cleaned and preprocessed data using SQL (SSMS) by handling missing values and duplicates, merging tables, and resolving inconsistencies to create a unified dataset for analysis.
- Developed a Power BI dashboard to visualize revenue trends, hotel-type performance, occupancy, and cancellations; discovered that while revenue rose from 2018 to 2019, it dropped in 2020 despite increasing ADR (average daily rate), indicating lower occupancy and higher cancellations — enabling recommendations for dynamic pricing and targeted promotions.

2) Customer Segmentation and Analysis Using Python

- Cleaned and analyzed e-commerce customer data using Python libraries (Pandas, Seaborn, Matplotlib) to identify spending patterns, income trends, and demographic insights.
- Applied K-Means clustering with Elbow and Silhouette evaluation to create statistically distinct customer segments based on behavioral and demographic variables.
- Classified customers into five segments using income and spending behavior, identifying clear customer personas that support targeted marketing and improve campaign efficiency.

3) HR Analytics: Employee Wellness *(Tools: MS Excel, SSMS, Power BI)*

- Performed an HR analytics project by managing and querying datasets in SSMS to identify healthy low-absence employees for a $1,000 bonus program and developed an interactive Power BI dashboard using custom SQL connections, KPI cards, bar/pie charts, trend visuals, and scatter plots to deliver data-driven workforce insights.
- Identified major absenteeism drivers—including seasonal spikes, elevated BMI, unhealthy habits, common absence reasons, and non-linear impacts of workload and transportation—and surfaced a healthy low-risk employee group eligible for performance bonuses.
- Derived insights suggesting absenteeism could be mitigated through proactive staffing during peak seasons, wellness and fitness initiatives for high-BMI groups, enhanced attendance and habit-tracking systems, dynamic budget modeling for compensation planning, and salary adjustment analysis supported by HR insurance data.

LINKS

Links : LinkedIn profile, GitHub profile