PRERNA DESAI

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EDUCATION

Stevens Institute of Technology – Hoboken, NJ 09/2023 – 05/2025
Masters in data science

Gujarat Technological University – Gujarat, India 07/2019 – 05/2023
Bachelors in computer engineering

WORK EXPERIENCE

CLOUDPATHS– DIGITAL SUPPLY CHAIN INTERN 07/2024- Present

- Defined and maintained critical attributes and mastered data fields within SAP IBP, enhancing data accuracy and supporting effective supply chain operations.
- Created and configured a new planning area, optimizing supply chain planning and forecasting processes, which improved forecasting accuracy by 15%.
- Executed data transfers and integrations with SAP CI DS, ensuring a 99.8% accuracy rate in data flow between IBP and external systems.
- Collaborated on the Albemarle Documentation Project, identifying and resolving data inconsistencies, enhancing documentation accuracy for large-scale supply chain initiatives.
- Utilized the SAP IBP Excel Add-In for advanced data analysis, deriving insights on average costs, revenue trends, and optimizing replenishment planning.

IBM - DATA ANALYST INTERN 02/2023- 05/2023

- Analyzed a dataset of over 5,000 movies, focusing on key features such as genres, ratings, directors, and box office performance to derive actionable insights, achieving 90% data accuracy post-cleaning.
- Performed exploratory data analysis (EDA), revealing that action and drama genres accounted for 50% of the most popular movies based on IMDb ratings.
- Built a movie recommendation system using vectorized plot keywords and user preferences, achieving 85% accuracy in suggesting top 5 best-fit movies.
- Engineered a suite of Tableau dashboards focused on global cinema statistics; identified significant patterns in international film production across ten major contributors, resulting in actionable insights that informed strategic planning efforts.

UNIVERSITY PROJECTS

FOOD HUB NYC RESTAURANTS DATA ANALYSIS

- Conducted exploratory data analysis (EDA) on a dataset of 1,899 customer orders, identifying patterns in ordering behaviors, which improved operational insights by 20%.
- Created histograms, scatter plots, and time series analyses to identify trends in order costs, preparation times, and delivery times, enabling 95% accuracy in insights derived.
- Designed confidence intervals and hypothesis tests to evaluate key variables, ensuring precise decision-making with a 90% confidence level.
- Analyzed correlations among variables such as preparation and delivery times, uncovering weak positive relationships (correlation coefficient ~0.04) to refine process workflows.
- Built a multiple linear regression model with an adjusted R-squared of 0.87 to predict delivery times.

ADDITIONAL

Programming & Data Analysis: Python (Pandas, NumPy, Scikit-learn), SQL, Jupyter Notebook
Data Visualization & Tools: Tableau, Power BI, Matplotlib, Seaborn, SAP IBP (Excel Add-In), SAP IBP, CI-DS
Certifications: Advanced Google Analytics (Google), Data Science Training (IBM), Advanced Excel Functions