Uday Rambhau Deshmukh *Aspiring Data Analyst*

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EDUCATION

B.Tech in Computer Science (Data Science) 2022 – Present
G.H.Raisoni College Of Engineering And Business Management Jalgaon

SKILLS

- **Programming Language:** Python
- **Libraries & Frameworks:** Pandas, NumPy
- **Data Analysis:** Exploratory Data Analysis(EDA), Data Cleaning, Data Preprocessing, Trend Analysis
- **Data Visualization:** Power BI (DAX Basics, KPI Cards, Interactive Dashboards), Matplotlib, Seaborn
- **Excel:** Advanced Excel, Pivot Tables, Charts, Conditional Formatting
- **Database:** MySQL
- **Tools:** Jupyter Notebook, Google Colab, VS Code, Power BI, MS Excel

PROJECTS

1. Weather Data Analysis Dashboard (Power BI)
Skills : Power BI Desktop ,Power Query Editor , EDA.
Aim : To Visualize weather patterns of past years.
Approach :
- Performed EDA to identify seasonal patterns and anomalies
- Analyzed multi-year weather data including rainfall, temperature, humidity, and wind speed.
- Created Power BI visualizations and dashboards for metric-wise comparison.

Result :
- Identified seasonal and monthly weather patterns across districts using interactive visuals
- Analyzed rainfall and temperature trends to highlight climate variations

2. Library Management Analysis (MySQL)
Skills : MySQL , Database Design & Normalization, Joins & Subqueries, Data Analysis & Reporting, Aggregate & Analytical Queries.
Aim : To analyze and manage library operations using MySQL, focusing on book inventory, member records, book issuance, returns, and overdue tracking to improve data accuracy and operational efficiency.
Approach :
- Designed and worked with relational database tables for books, book copies, members, authors, publishers, and branch ,book loans.
- Performed Analysis On : Book availability and issued books, Member borrowing patterns, Frequently issued books and categories, Overdue and return status, optimized queries to improve performance and readability.
- Ensured data integrity using primary keys and foreign keys.

Result :
- Identified most borrowed books and popular categories
- Analyzed member activity trends and borrowing frequency

3. Road Accident Dashboard (MS Excel)
Skills : Microsoft Excel, Data Cleaning & Preprocessing, Pivot Tables & Pivot Charts, Slicers & Timelines, KPI Metrics & Trend Analysis
Aim : To analyze road accident data and identify casualty trends, severity levels, vehicle involvement, road conditions, and environmental factors using an interactive Excel dashboard to support data-driven decision making.
Approach :
- Cleaned and prepared raw accident data using Excel data preprocessing techniques.
- Used Pivot Table and Pivot Charts to summarize accident and casualty metrics.
- Created interactive KPI cards to display: Total casualties, Fatal, serious, and slight casualties
- Built dynamic visualizations to analyze: Casualties by vehicle type, Casualties by road type and road surface, Casualties by light condition and location (urban vs rural), Current year vs previous year monthly trends
- Implemented Slicers and Timelines for interactive filtering by: Date, Area type (Urban / Rural).

Result:
- Identified that cars account for the highest number of road accident casualties.

- Found that slight casualties form the majority of total casualties

4. Travel & Tourism Data Analysis – Web Scraping & Python EDA
Skills : Python, Web Scraping (Requests, BeautifulSoup), Data Cleaning & Preprocessing, Exploratory Data Analysis (EDA), Pandas, NumPy, Data Visualization (Matplotlib, Seaborn).
Aim : To collect and analyze travel and tourism package data through web scraping and Python-based exploratory data analysis (EDA) in order to identify pricing trends, popular destinations, and package characteristics.
Approach :
- Scraped travel package data from TravelTriangle using Python web scraping tools.
- Extracted structured information such as package name, duration, price, discounts, destinations, hotel ratings, and activities.
- Cleaned and preprocessed raw data by handling missing values, duplicates, and inconsistent formats.
- Performed EDA using Pandas and NumPy to uncover patterns and trends.
- Created visualizations using Matplotlib and Seaborn to analyze pricing, duration, and destination popularity.

Result :
- Identified popular travel destinations and frequently offered packages
- Analyzed price variations based on package duration and destination

CERTIFICATES

- Python for Data Analysis – Certified
- Exploratory Data Analysis (EDA) with Python – Certified
- MySQL for Data Analytics – Certified