Narayan yadav

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Projects

Delhi Air Quality Explorer – Interactive Dashboard with R Shiny   **Jan 2025 – April 2024**

- Developed an interactive R Shiny dashboard to visualize PM2.5 trends in Delhi (Anand Vihar, 2016–2023).
- Created dynamic charts (line, bar, pie) to show AQI distribution, monthly spikes, and weather/weekend impact.
- Used dplyr, lubridate, and ggplot2 for data wrangling, time-series analysis, and clean visualizations.
- Handled 11% missing data through imputation and outlier capping to ensure reliable insights.

Corp Production Analysis and Yield Prediction using Machine Learning   **Jan 2025 – March 2025**

- Conducted exploratory data analysis (EDA) on Indian agriculture data to uncover trends in crop production by state, year, and crop type.
- Engineered features and handled missing values and outliers; added yield calculations to enhance insights.
- Implemented Random Forest Regression to predict crop production ($R^2 = 0.98$) and KNN Classification for yield categorization (Accuracy = 85%).
- Visualized insights using Seaborn and Matplotlib, highlighting top crops, production trends, and state-wise contributions.

Alibaba Sales Dashboard Using Power BI   **Feb 2025 – March 2025**

- Built an interactive Power BI dashboard analyzing Alibaba sales data (2012–2015), with KPIs on sales, delivery, returns, and customer behavior.
- Applied Power Query and DAX to clean data, create custom measures, and model relationships across Orders, Returns, and People tables.
- Designed dynamic visuals (cards, charts, maps) with slicers and navigation for actionable insights into product, region, and segment performance.

Certificates

Data Visualization in Excel by Macquarie University| **November 2024**
Coursera.

Introduction to Statistics by Stanford Online| **November 2024**
Coursera

Microsoft power bi data analyst professional certificate| **March2025**
Coursera

Foundations: Data, Data Everywhere by Google| **April 2025**
Coursera

Technical Skills

Languages: Python, SQL, R Programming, Hadoop, Spark/PySpark, Hive, PowerBI, Excel

Technologies/Frameworks Microsoft Excel, Rapid Miner, Oracle SQL Plus, Jupiter Notebook, RStudio, HTML, CSS,

Skills: Data Structures and Algorithms, Problem-Solving, Scripting in Python, Data Visualization using Excel, Descriptive and Hypothesis Analysis.

Education

Lovely Professional University   **2024 – Present**
Master of technology in Data Science and Analytics — CGPA: 7.2   *Punjab, India*

Lovely Professional University Punjab   **2018 – 2022**
Computer Science and Engineering — CGPA: 6.7   *Punjab, India*

NEHRU BALODYAN INTER COLLEGE   **2015 – 2017**
12th with Science — Percentage: 83%   *Uttar Pradesh, India*

NEHRU BALODYAN INTER COLLEGE   **2014 – 2015**
10th with Science — Percentage: 85%   *Uttar Pradesh, India*