Partham Solanki

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Skills

Data Analysis & BI: SQL (BigQuery, MySQL), Python (Pandas, NumPy, Matplotlib, Jupyter), Excel (Advanced), R (Rstudio, ggplot2), Tableau, Power BI

Dev & Collaboration Tools: Git (Github, GitLab), Linux (Shell scripting)

Cloud & Automation Tools: Azure (Data Studio, Synapse, Storage), AWS (S3, Redshift, Lambda), GCP - Data storage and pipelines

Projects

SQL Data Cleaning & Exploratory Analysis (Goodreads Books Dataset)

Cleaned and standardized a dataset of 10,000+ books, then performed SQL-based exploratory analysis to uncover trends in ratings, publishers, and languages.

- Removed duplicates and standardized author/publisher fields; converted dates to appropriate datatype.
- Applied CTEs, window functions, and aggregations to rank top books by year and publisher.
- Identified trends in book popularity, ratings distribution, and publisher performance.

HR Analytics and Visualization Project

Designed and built a comprehensive HR analytics dashboard in Excel, transforming raw data into actionable insights on key workforce metrics like attrition, salary distribution, and employee satisfaction.

- Data Transformation - Cleaned and prepped raw HR data, creating custom metrics and dynamic pivot tables for detailed analysis.
- Dashboard Development - Built a single-page, interactive dashboard with visualizations to centralize and simplify complex HR data.
- Actionable Insights - Identified key workforce trends to support data-driven decisions on retention, compensation, and employee well-being.

Education

LPU *2025 – 2027*
M. Sc. in Mathematics
- Electives: Finance

MDU *2023 – 2025*
B. Ed. in Physical Science & Mathematics
- Percentage: 72.9%

Ramjas College *2019 – 2022*
B. Sc. (Hons) in Physics
- GPA: 8.6/10.0
- Electives: Mathematics