PREETI LOKHANDE

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https://www.linkedin.com/in/preeti-lokhande/ | https://preeti1103.github.io/personal-portfolio/

TECHNICAL SKILLS

Programming & Analysis:	Python, SQL, Excel (Advanced Functions, Pivot Tables, VLOOKUP, Macros, Power Query), HTML5, CSS3, JavaScript
Data Visualization & BI	Matplotlib, Seaborn, Power BI, Tableau
Databases	PostgreSQL, MySQL, MongoDB, Firebase
Libraries & Frameworks:	Pandas, NumPy, Matplotlib, Seaborn, Statsmodels
Tools & Platforms:	Git, GitHub, Vercel, Netlify, Postman, Render, Visual Studio Code

EDUCATION

University Of Texas at Arlington, Texas, USA ***Aug 2023 - May 2025***
Master of Science in Information Systems
Relevant Courses: *Data Mining, Applied Database Management, Python Programming, Data Warehousing, Analysis & Design, Advanced Methods for Analytics, Cloud Computing, Project Management, Information Technology Management*

Mumbai University, Mumbai, India ***Aug 2017 - June 2021***
Bachelors in Engineering Electronics and Telecommunication

EXPERIENCE

Supervisor (Analyst) ***Jan 2024 - May 2025***
Chartwells Higher Education, Arlington, TX

- Tracked and analyzed daily inventory levels and sales data for over 2,000 SKUs, reducing waste by 15% and stockouts by 12%, enhancing product availability and customer satisfaction. Generated comprehensive weekly and monthly sales reports and dashboards in Excel, clearly highlighting key performance metrics and inventory trends for management.
- Conducted regular cycle counts and reconciled discrepancies, achieving 98% inventory accuracy, minimizing carrying costs, and streamlining operational efficiency.
- Identified inefficiencies in inventory management and analyzed sales data to pinpoint customer buying patterns and slow-moving items, contributing to targeted marketing strategies and a 15% reduction in excess inventory costs.

Technical Intern ***Jun 2022 - Aug 2023***
Doordarshan Kendra, Mumbai

- Automated audience rating performance reports with SQL and Excel VBA, reducing manual processing time by 30%.
- Built Power BI dashboards to visualize weekly viewership trends, directly informing content programming decisions and increasing viewer engagement by 2-3%.
- Partnered with technical teams to clean and process large datasets related to program scheduling and airtime logs, enhancing data quality for business intelligence insights.

PROJECTS

Hotel Booking Data Analysis and Visualization | GitHub ***Jan 2025 - Mar 2025***

- **Tech Stack:** AWS S3 (data storage), Amazon Athena (SQL querying), Python (Pandas, NumPy, Jupyter for data cleaning & analysis), Power BI (interactive dashboards).
- Engineered and integrated a data pipeline by cleaning and transforming hotel booking data using Python (Pandas, NumPy, jupyter).
- Analyzed large datasets in AWS S3 with Athena SQL queries, improving performance and enabling scalable insights.
  Built interactive dashboards in Power BI and supported analysis with Python visualizations to highlight cancellations, pricing trends, and customer segments.

Hospital Inventory Optimization System | GitHub ***Jan 2025 - Mar 2025***

- **Tech Stack:** MySQL, SQL, Excel, Data Modeling, ETL Concepts
- Designed and implemented a normalized relational database schema in MySQL to track inventory transactions, usage, and supplier data, ensuring data integrity through primary and foreign keys.
- Engineered advanced SQL queries utilizing CTEs, aggregations, and joins to perform ABC analysis, identifying that 20% of medical supplies consumed over 80% of the total budget.
  Automated the generation of widespread diagnostic reports in Excel with pivot tables and data visualization, providing actionable insights to reduce inventory costs by 25% and prevent critical shortages.

Retail Sales Analysis | GitHub ***Jan 2025 - Mar 2025***

- **Tech Stack:** Python (Pandas, NumPy, Matplotlib, Seaborn, Statsmodels), Jupyter Notebook, Git/GitHub
- Conducted exploratory data analysis on Walmart sales data (45k+ records) to identify top/bottom performing stores, seasonal trends, and holiday impact.
- Built visual insights (bar charts, heatmaps, moving averages) to highlight that top 5 stores generate ~30% of sales, and holiday weeks boost sales by ~7–10%.
  Developed a short-term sales forecast (~$47M/week baseline) using moving averages, providing actionable recommendations for inventory and staffing planning.