PREETI LOKHANDE

Arlington, TX | +1 682-406-8938 | preetilokhande999@gmail.com
https://www.linkedin.com/in/preeti-lokhande-/ | https://preeti1103.github.io/personal-portfolio/

TECHNICAL SKILLS

Programming & Scripting:	Python (NumPy, Pandas, PySPark, Matplotlib, Seaborn), JavaScript (ES6+), PowerShell, Bash
Databases & Querying:	SQL (PostgreSQL, MySQL, MS SQL Server), NoSQL (MongoDB), Google BigQuery, Snowflake, Firebase
Data Analysis & Visualization:	Power BI, Tableau, Excel (Advanced formulas, Power Query, Pivot), Google Data Studio, D3.js, Chart.js
Frontend Development:	HTML5, CSS3, React.js, Next.js
Data Engineering, Big Data & Cloud & Containerization:	Apache Spark, Airflow, AWS (Redshift, S3, Glue, Athena), Azure, Snowflake, Docker, Kubernetes
Data Modeling & Warehousing:	ER modeling, Snowflake, Star/Snowflake Schema, Dimensional Modeling
Version Control & Platforms:	Git/GitHub, CI/CD basics, 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 to achieve 98% inventory accuracy, while analyzing sales data to identify inefficiencies, customer buying patterns, and slow-moving items contributing to targeted marketing strategies and a 15% reduction in excess inventory costs.
- Automated recurring reporting processes and introduced data validation checks, reducing manual effort by 40% and ensuring reliable dashboard outputs. Enhanced reliability of reporting systems by building error-check and reconciliation mechanisms, improving decision-making confidence across management teams.

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

- Collected and analyzed broadcast system data (signal quality, fault logs, equipment utilization) to generate weekly performance reports and support data-driven troubleshooting.
- Completed training in SQL and data analysis; applied skills in a project evaluating viewership patterns and broadcast performance metrics to provide programming insights. Supported studio operations and digital archiving with a focus on ensuring data accuracy, accessibility, and reporting for broadcast teams.

PROJECTS

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

- **Tech Stack:** AWS S3, Amazon Athena (SQL querying), Python (Pandas, NumPy, Jupyter for data cleaning & analysis), Power BI.
- 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
- Performed exploratory data analysis (EDA) on Walmart sales data (45k+ records) to identify top/bottom stores, seasonal trends, and holiday impact; revealed that top 5 stores drive 30% of sales and holiday weeks boost sales by 7–10%.
- Built visual insights and short-term sales forecast ($47M/week baseline) using bar charts, heatmaps, moving averages; delivered actionable recommendations for inventory optimization and staffing planning.