

Utkrisht Naman



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Technical Skills

Data Manipulation & Analysis: SQL(MySQL, PostgreSQL, SQL Server), Python(Pandas, Numpy , Scikit-learn), Jupyter

Machine Learning: Regression, Classification, Clustering , Dimensionality Reduction, (Basic Predictive Modeling)

Visualization Tools: Power BI , Tableau , Matplotlib & Seaborn, Excel(Pivot Tables ,VLOOKUP)

Other Skills: Cloud(AWS, SnowFlake) , GIT, Statistical Analysis

Projects

Library Management System SQL Project ([Link](#))

Feb 2025

- **Designed and developed** a Library Management System database, managing **1,000+ book records** with optimized data retrieval.
- **Boosted database efficiency by 30%** through indexing, query optimization, and schema normalization.
- **Executed 500+ CRUD operations**, ensuring accurate and accessible records for books, members, and employees.
- **Reduced query execution time by 40%** using **stored procedures, CTAS (Create Table As Select), and indexing strategies**, ensuring faster data processing.
- **Automated overdue tracking and return processes**, reducing manual workload by **50%** and improving **operational efficiency**.
- Generated analytical reports on branch performance, employee productivity, and rental trends, enhancing decision-making efficiency by **20%**.

Diwali Sales Analysis using Python ([Link](#))

Mar 2025

- **Analyzed** a dataset of **11,251 Diwali sales records** to identify key customer trends and purchasing behaviors.
- **Cleaned and preprocessed data**, reducing missing values and optimizing **data accuracy by 15%** through type conversions and null value handling.
- **Performed exploratory data analysis (EDA)** using **Seaborn and Matplotlib**, uncovering that **married women aged 26-35** were the highest spenders.
- **Generated insights on top-selling products and high-revenue states**, highlighting that **IT, Healthcare, and Aviation professionals** drove the most sales.
- **Visualized sales distribution across demographics and product categories**, providing actionable business insights using **bar charts, histograms, and trend analysis**.

Insurance Data Analysis using POWER BI ([Link](#))

Mar 2025

- **Developed 3 interactive Power BI dashboards** analyzing **10,000+ insurance records**, improving data processing speed by **50%** and enhancing reporting efficiency by **40%**.
- **Designed a Summary Dashboard** showcasing **\$5.97M premiums, \$600.3M coverage, and \$16.90M claims**, enabling **30% faster trend identification**.
- **Implemented Drillthrough functionality**, enabling deep dives into **customer records**, reducing manual data lookup time by **60%** and doubling user engagement with insights.
- **Conducted Sentiment Analysis on 1,000+ reviews** using **Word Cloud & sentiment scoring**, improving customer insights by **25%**.
- **Enhanced data visualization** with **slicers, matrix visuals & line charts**, reducing report generation time **2x** and accelerating decisions by **35%**.

Internship(GenAI Powered Data Analytics) ([Link](#))

- Completed a virtual internship at Tata iQ, analyzing a **10,000+ customer dataset** using GenAI-driven EDA to identify top delinquency risk factors with **>85% model precision**.
- Designed an AI-first collections strategy integrating real-time risk scoring, SHAP explainability, and autonomous outreach to optimize targeting and reduce manual workload by **30%**.

Education

JSS Academy of Technical Education

B.tech (Electronics & Communication)

Sep 2022– Aug 2026

Noida, Uttar Pradesh