

Akshata Gurayya Annigeri

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Skills

- **SQL** (SQL Server, MySQL, Relational Database)
- Data visualization (**Microsoft Power BI, Tableau**)
- **Python** (NumPy, Pandas, Matplotlib, Seaborn), **R**
- **Apache Spark**
- **Linux, IBM DataPower, XML, JSON, SOAP, XSLT.**
- **Machine Learning** (Linear Regression, Logistic Regression, Decision Tree, Clustering, NPL & Lexical Processing, forecasting)
- **Advanced Excel** (VLOOKUP, Conditional Formatting, Pivot Tables, Functions)

Projects

1. **Strategic Inventory Optimization and Market Insights for E-Commerce Success.**
 - Programmed using Python libraries (Pandas, NumPy) to clean retail dataset and improve data quality.
 - Performed trend analysis through market basket analysis to identify frequently ordered product combinations, creating association matrices and visualizations to reveal consumer purchasing patterns.
 - Designed a detailed dashboard in Tableau with key visualizations and crafted an executive summary in Microsoft Office (PowerPoint), providing actionable insights and strategic recommendations to stakeholders.
2. **Analyzing RSVP Movies: Leveraging SQL for Strategic Insight**
 - Implemented SQL queries for analyzing movie databases, assessing null values, genre-specific average durations, and identifying top-rated movies.
 - Applied advanced SQL techniques, including joins, CTEs, and window functions like rank().
 - Analyzed voting trends to identify top actors and actresses using data manipulation and aggregation skills.
 - Used CASE statements, SQL queries and subqueries for deriving data insights.
3. **Route and Revenue Analysis-UK railway**
 - Utilized Excel for data mining, cleaning, and preprocessing to gain insights.
 - Created insightful and interactive dashboards in Power BI, enhancing decision-making speed and reducing data retrieval time.
 - Employed DAX in Power BI for advanced metric calculations.
 - Analyzed KPIs such as route popularity, peak travel times, revenue by ticket type/class, and on-time performance factors.

Work Experience

Application Developer - IBM -Bangalore, India

Jan 2022- Jul 2022

- **Designed** and **implemented** various SOAP and REST-based web services in IBM DataPower, **enhancing** security and data transformation capabilities, streamlining communication and **cutting** requirements clarification time by 40%.
- **Utilized** SQL queries and Excel to **extract, research, and resolve** issues within extensive databases, **optimizing** performance and **proposing** data-driven solutions to **boost** operational efficiency and client satisfaction.

Systems Engineer – Tata Consultancy Services – Bangalore, India

Sep 2018- Jan 2022

- **Analyzed** extensive financial and banking sector databases using SQL and Excel, **extracting** insights to **facilitate** in-depth analysis of customer service issues and **documenting** solutions.
- **Led** AD-HOC projects to address immediate client needs, **collaborating** with cross-functional teams, and **leveraging** communication skills to resolve client queries and **enhance** system functionalities. **Delivered** solutions efficiently and on time in an Agile environment.
- **Proposed** strategic automation ideas, **reducing** manual efforts by 30% and **optimized** process improvement; **received** appreciation from clients and project leadership; **developed** innovative interactive dashboards to **monitor** team performance for continuous improvement, **enhancing** overall workflow efficiency by 35%.

Education

- **MS in Data Analytics** McDaniel College | Maryland, USA **Aug 2023 — Present**
- **Executive Post Graduate Diploma in Data Science (Business Intelligence and Data Analytics)** **Feb 2022 — Nov 2023**
International Institute of Information Technology | Bangalore, India
- **Bachelors in engineering (BE)** in Electrical & Electronics **Jun 2014 — Jun 2018**
KLS Gogte Institute of Technology | Belagavi, India

Certification

Completed **Python for Data Analysis & Visualization** (Master the main data analysis and visualization libraries in Python: Numpy, Pandas, Matplotlib, Seaborn, Plotly + more) course in Udemy.