Mukesh Shirke

Data Analyst

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Skills

- **Data Analysis: SQL** (SQL Server, MySQL) ((Data Cleaning, Joins, Aggregations, Data Modeling))
  Excel (Power Query, Pivot Table/Chart, LOOKUP, Index-Match, Conditional Formatting),
  Python (Pandas, NumPy, MatPlotLib), **R** (tidyverse, dplyr, janitor, ggplot2)
- **Visualization: Tableau**, **Power BI** (Data Modeling, DAX, Power Query, Interactive Dashboards)
- **Tools: Git** (Version Control, gist), **Jupyter Notebook**, **RMarkdown**
- **Soft skills:** Communication, Problem-solving, Adaptability, Cross-functional collaboration

Projects

PizzaRio Analytics: Building a Scalable Data Pipeline for a Small Business [Link]
- Designed a fully normalized SQL database (3NF) to manage orders, inventory, and staff, then wrote optimized queries and created views for Power BI reporting.
- Built three Power BI dashboards using SQL views and DAX measures to deliver actionable insights on sales trends, ingredient usage, and labor costs.

From Flat File to 3NF: Normalizing Sales Data for Insightful Analysis [Link]
- Transformed a flat Excel dataset into a relational model using 1NF, 2NF, and 3NF; built fact and dimension tables for accurate, scalable analysis.
- Modeled data using Power Pivot and visualized insights with Tableau dashboards, identifying top- and under-performing product subcategories.

Quick Business Insights with Excel BI Dashboard (20-Minute Challenge) [Link]
- Consolidated data from SQL, CSV, and PDF sources using Power Query; built a star schema in Excel's Data Model with a dynamic calendar table.
- Created interactive Excel dashboards using Pivot Tables and Charts to show revenue and order trends by category and country across six years.

Education / Courses

- **Google Data Analytics Certificate:** Comprehensive training in data cleaning, SQL, visualization, R programming, and data-driven decision making through hands-on projects. (https://coursera.org/verify/professional-cert/NQQQA36CPYY3)
- **Bachelor of Engineering in Mechanical** | Mumbai University, India | 2001 – 2004

Work Experience

Career Break (Relocation / Professional Upskilling)   Oct 2024 - Present

- Proactively pursued a structured self-learning path in data analytics, completing the Google Data Analytics Certificate and mastering Python, R, SQL, Tableau, and Power BI through online courses and self-directed study.
- Designed and executed a personal development plan demonstrating initiative and commitment, while building a comprehensive data analytics portfolio to showcase practical application of acquired skills.

Drilling Specialist | Oil & Gas Upstream   Mar 2009 – Oct 2024

- Led well planning, trajectory design, and on-site drilling operations, collaborating with a multi-disciplinary team to optimize efficiency and cost through data-driven decisions and risk assessments.
- Utilized industry software for real-time performance monitoring, reporting, and technical documentation.
- Ensured compliance with QHSE standards and provided operational support across all project phases.

Work Authorization

- UK Dependent Visa – Eligible to work in the UK

References

- Available upon request