YASH SHIRSATH

Data Analyst | SQL, Python, Power BI Expert

Pune, Maharashtra, India

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PROFESSIONAL SUMMARY

Data Analyst with expertise in SQL, Python, and Power BI. Proven ability to transform complex datasets into actionable business insights. Strong foundation in statistical analysis, data visualization, and database management. Passionate about leveraging data-driven approaches to solve business challenges and optimize decision-making processes.

EDUCATION

DR. D. Y. Patil Vidyapeeth (DPU)   Pune, Maharashtra
Bachelor of Science in Computer Science   July 2022 – June 2025
- Relevant Coursework: Data Structures, Algorithms, Database Management Systems, Machine Learning, Statistics
  Strong academic foundation in computer science with focus on data analysis and computational problem-solving
CGPA : 7.91

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), SQL (Advanced queries, joins, CTEs)
Data Visualization: Power BI, Tableau, Excel (Pivot Tables, VLOOKUP, Advanced Formulas)
Databases: MySQL, PostgreSQL
Tools & Technologies: Git, Jupyter Notebook, Statistical Analysis, ETL processes, Data Cleaning
Languages : English, Hindi, Marathi

KEY PROJECTS

E-Commerce Sales Analytics Dashboard   Python, Power BI, SQL
Data Analysis Project
- Analyzed 100K+ transaction records using SQL queries to identify sales trends and customer purchasing patterns
- Built interactive Power BI dashboard reducing report generation time by 70% and enabling real-time insights
- Implemented predictive models using Python achieving 85% accuracy in forecasting quarterly sales
- Delivered actionable recommendations resulting in identification of top 20% revenue-generating products

Customer Segmentation & Behavioral Analysis   Python, Machine Learning Data Science Project
- Performed RFM analysis and K-means clustering on customer data to identify 5 distinct customer segments
- Utilized Python libraries (Pandas, Scikit-learn) to process and analyze 50K+ customer records
- Created data visualizations using Matplotlib and Seaborn to communicate insights to stakeholders
- Provided strategic recommendations for targeted marketing campaigns based on segment characteristics

Automated Data Pipeline & ETL Process   SQL, Python
Database Management Project
- Designed and implemented automated ETL pipeline processing 10K+ records daily from multiple data sources
- Optimized SQL queries reducing data extraction time by 60% through indexing and query refactoring
- Implemented data quality checks and validation rules ensuring 99% data accuracy
- Documented pipeline architecture and created maintenance procedures for seamless handoff

CERTIFICATIONS & TRAINING

AWS Academy Machine Learning Foundation. - **AWS Academy Graduate.**

Oracle Cloud Infrastructure 2025 Certified Data Science Professional - **Oracle**

Data Analysis Using Python - IBM

Certified Data Science Professional - **Oracle**

ACHIEVEMENTS

Volunteered as a Data Support for a Campus Event
• Collected, cleaned, and analyzed event data to support planning and real-time decision-making. Delivered insights that improved event operations and attendee experience.

INTEREST

Problem Solving & Critical Thinking, Data-Driven Decision Making Process, Logical Reasoning & Analytics Puzzles, Data Cleaning & Wrangling.