



Shazia Jatoi

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Profile

Dynamic and recently graduated Data Engineer with a passion for optimizing data systems and leveraging insights to drive impactful decision-making. Proficient in ETL design, implementation, and maintenance, with hands-on experience in schema design and dimensional data modeling. Skilled in SQL and Python for data manipulation and analysis. Excited about the opportunity to work collaboratively with data scientists, analysts, and product managers to innovate and optimize products. Eager to contribute to the development of a robust data serving layer to showcase key performance indicators and support informed decision-making. Open to learning and adapting to new technologies, with a keen interest in cloud computing and big data frameworks.

Professional Experience

- Data and software Quality Assurance Engineer (studentjob), *aug-e***

2023 Jan – present
Belgium

 - Developed automation testing routines using Technical skills for efficient automation, aligning with industry best practices in software quality assurance.
 - Proactively monitored data quality and integrity, promptly identifying discrepancies and implementing corrective measures to uphold data accuracy standards.
 - Planned testing processes and prioritized activities to achieve comprehensive coverage within an Agile environment, ensuring alignment with project requirements and objectives.
 - Created comprehensive test cases to systematically identify bugs, glitches, and usability issues, utilizing industry-standard methodologies.
 - Conducted rigorous functional testing across various scenarios and meticulously documented identified problem areas, utilizing tools such as Cypress, Selenium, Postman, and Swagger.
 - Collaborated closely with developers and multidisciplinary teams to interface on reliability measurements, providing insights and feedback to drive continuous improvement.
 - Provided fast and effective feedback to integration teams, facilitating prompt resolution of identified issues and ensuring seamless integration of reliability improvements.
 - Worked independently, translating requests from research programs into actionable testing strategies and methodologies.
 - Maintained and updated test documentation to accurately reflect the latest changes and findings, ensuring alignment with evolving project requirements and specifications.
- Business Intelligence and Data Analyst (freelance project), *Guttu UG***

Germany

 - Led end-to-end business intelligence initiatives from data acquisition to dashboard creation
 - Developed and implemented data pipelines to gather, transform, and cleanse data from various sources
 - Utilized ETL processes to ensure data accuracy, consistency, and reliability for actionable insights
 - Designed and developed interactive dashboards in Power BI, translating complex data into visually compelling insights
 - Played a pivotal role in increasing sales by 27% through data-driven decision-making
 - Spearheaded efforts to bridge the gap between business needs and data insights, resulting in enhanced operational efficiency and strategic planning
 - Collaborated with stakeholders to define data requirements and ensure data quality

Education

- Bachelor's in Data Science, Protection and Security, *Thomas More***

2024
Belgium
- Master's in Political Science, *Sindh University***

2018
Pakistan

Skills

- Test Automation**

Cypress, Selenium, Postman, Swagger
- Technical skills**

Python, R, SQL, C#, JavaScript, TypeScript, PHP, MySQL, PowerShell, MongoDB
- Soft Skills**

Effective Communication
Quick to learn new methods.
Team Collaboration
Attention to Detail
Problem-Solving and Analytical skills
- Business Intelligence, Data Analysis, and Data Management:**

Excel, Power BI, Data Visualization, Statistical Analysis, Data Manipulation, Database Management, Azure Data Factory, Data Ingestion, ETL, Big Data Processing (HDI Insight, Databricks), CI/CD, Access Control and Security, Data Pipeline Optimization
- Data & ML Libraries**

NumPy, pandas, scikit-learn, SciPy, Matplotlib, Seaborn, Prophet
- Web development**

React, Vue, HTML, CSS, Bootstrap, NodeJS, DotNet