

# SHUSHRUTHA REDDY BORRA

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## Professional Summary

Data Engineer (MSc in Data Analytics, Berlin) with 3.5 years of professional experience at Cognizant, specializing in SQL-based data validation, ETL processes, automation, and backend data workflows. Strong expertise in Python and SQL for building reliable data pipelines and ensuring data integrity. Experienced in working with large datasets, query optimization, Docker, Cloudera, and Agile methodologies. German language proficiency at B1 level.

## Education

- MSc in Data Analytics – University of Creative Arts, Berlin (02/2025 – Present)
- Master's in Computer Science – Osmania University (2021 – 2023)
- Bachelor's in Mathematics, Statistics & Computer Science – Aurora's Degree and PG College (08/2021)

## Professional Experience

### Data Engineer / Quality Analyst – Cognizant (10/2021 – 04/2025)

- Designed and optimized SQL queries for backend data validation and transformation.
- Built Python scripts (Pandas, NumPy) for automated data extraction, cleaning, and preprocessing.
- Validated ETL workflows ensuring source-to-target data consistency.
- Performed web data scraping using BeautifulSoup and Scrapy for structured dataset generation.
- Worked with Cloudera for distributed data processing and Docker for containerized environments.
- Used Git for version control and collaborated in Agile/Scrum teams.
- Reduced data-related defects by 20% by implementing structured validation frameworks.

## Technical Skills

- Programming: Python (Pandas, NumPy), SQL/MySQL

- Data Engineering: ETL Processes, Data Pipelines, Data Validation, Data Modeling Fundamentals
- Tools & Platforms: Cloudera, Docker, Git, Power BI, Excel, Basic CI/CD & Jenkins
- Testing & Automation: Selenium, Cypress, Postman, Jira

## Projects

- Designed an end-to-end data pipeline using Python and SQL with structured validation checks.
- Built optimized SQL datasets for Power BI dashboards supporting KPI reporting.
- Processed and transformed large transportation datasets using Pandas.

## Languages

English (C2) | German (B1) | Telugu (Native)