JENISH VEKARIYA

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SKILLS

Data Engineering & Integration: ETL/ELT Pipelines, DBT, Data Modeling, Data Validation, Data Warehousing
Databases & Cloud: SQL Server, MySQL, Oracle, Snowflake, MongoDB, Amazon S3
Analytics & Visualization: Power BI, Tableau, Excel, Hadoop
Programming: Python, R, SQL, Java, React.js, Node.js

PROFESSIONAL EXPERIENCE

Consultant - Data Processing Specialist   Oct 2024 - Present
HCLTech   *Horsham, PA*

- Utilized **Oracle Database** and **Mercalis** data tools to extract, analyze, and interpret patient data, identifying trends to support clinical insights and decision-making.
- Developed and maintained comprehensive data dashboards that tracked key performance indicators across **7,000+ monthly** patient records with **99.7% accuracy**.
- Collaborated with cross-functional healthcare teams to translate complex patient data into actionable insights, directly supporting treatment optimization. Utilized advanced Excel functions to clean, normalize, and prepare data for comprehensive **health research analytics**.
- Designed and implemented data validation protocols that ensured **HIPAA compliance** while enhancing data reliability by 28%. Interpreted complex healthcare metrics to produce **20+ monthly analytical reports**, translating technical findings into clear business recommendations.

Data Science Intern   June 2024 - Aug 2024
247ERICPOINTCOM   *Remote*

- Analyzed user survey data to identify trends and provide recommendations that improved customer communication processes. Assisted in database schema optimization and indexing to improve SQL query performance.
- Developed and maintained 5+ interactive Power BI dashboards and reports for marketing and engagement analytics.
- Wrote, tested, and deployed complex SQL queries and stored procedures to support data analysis.
- Performed data cleaning, data wrangling, and data preprocessing using SQL and Excel to ensure data accuracy.

Software Engineer   July 2022 - June 2023
Rutilant Technology   *Gujarat, India*

- Engineered a web platform that increased user visits by 30% over 3 months, enhancing user engagement and retention.
- Developed three highly responsive websites within six months, resulting in a 19.22% increase in online sales revenue.
- Led a project that improved website loading time from 10s to 1s in 3 months, reducing bounce rate by 55%.
- Participated in backend production support by leveraging MySQL and MongoDB databases.

PERSONAL PROJECTS

Movies Data Analysis with DBT| SQL, Amazon S3, Snowflake, Data Modeling ⬏

- Developed and deployed a full-scale data pipeline simulating Netflix analytics using the MovieLens dataset, integrating Amazon S3 for cloud storage and Snowflake as the data warehouse.
- Designed multi-zone architecture (raw, staging, marts) with automated ingestion of multi-GB datasets into Snowflake.
- Created and optimized modular DBT models, using layers (staging → marts) and materialisation strategies (table, views, incremental). Implemented over 5 types of data quality tests (unique, not_null, custom), and leveraged snapshots to track historical changes (SCD Type 2). Demonstrated full cloud data engineering workflow from ingest to dashboard, applying scalable ELT techniques for reliable, maintainable analytics reporting.
- Implemented data quality tests ensuring reliable insights across the pipeline.

SSA/SSI Disability Trend Dashboard| Python, Tableau ⬏

- Built an end-to-end Python data pipeline to ingest, clean, and analyze 2001–2020 SSA/SSI disability records, generating key metrics for accuracy and reliability.
- Developed an interactive Tableau dashboard that visualized disability trends at the state level, providing strategic insights for senior leadership and guiding policy decisions.

EDUCATION

University of the Pacific   2023 — 2025
Master of Science in Data Science [GPA: 3.6]   *San Francisco, CA*

Gujarat University   2019 — 2022
Bachelor of Computer Applications   *Gujarat, India*

Certifications & Awards

- **3rd Place Winner** at the 2024 NSDC Data Science Symposium for research on compliance and machine learning to predict medication adherence in patients. ⬏