Ramita Deshmukh

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Summary

- Experienced Microsoft BI Developer with 7-year industry background in SQL/Oracle, ETL processes, and Reporting tools.
- Optimized SQL queries including views, materialized views & stored procedures to improve database performance and reduce query time.
- Designed, optimized and troubleshooted SSIS packages and Azure Data Factory pipelines to ensure 99% data quality.
- Created interactive reports and dashboards using SSRS, Power BI and Tableau contributing to a 15% increase in data visualization.
- Developed web-application using Python, HTML5, CSS and JavaScript enhancing user experience and functionality.
- Practiced SDLC Agile methodology, applying strong analytical and diagnostic skills for effective problem solutions.

Skills

Languages: Python, R, C, C++, HTML, CSS, JavaScript, VBA Macros
Databases: MySQL, SQL Server, Teradata, PostgreSQL, AWS Redshift
Software Tools: Tableau, Power BI, SQL Server Integration Service (SSIS), SQL Server Reporting Services (SSRS), Azure Data Factory, SAP BusinessObjects (BO), Excel PowerPivot, Figma, Visual Studio, Git, MS Office

Education

New Jersey Institute of Technology| GPA:3.7   **New Jersey, United States**
M.S in Information Systems   Sep 2023 - May2025

Amravati University | CGPA: 8.2   **Maharashtra, India**
B.E in Computer Science   July 2011 - June 2015

Work Experience

Research Assistant │ New Jersey Institute of Technology   Dec 2023 - Present
New Jersey, United States

- Designed a website for the Ecohydrology Lab using HTML, CSS, and JavaScript showcasing front-end development expertise.
- Initiated over 30 interactive dashboards with Tableau to synthesize complex data from 50+ datasets sourced from FACTs and MTBS.
- Generated advanced R and Python scripts to generate boxplots from shapefiles, enhancing researchers' ability to analyse burn severity trends and increasing analysis efficiency by 60%.

Engineering Lead │ Persistent Systems   Dec 2021 - July 2023
Nagpur, India

- Implemented ILPA automated process single handedly using SSIS packages for extracting investor data from SQL source resulting in 90% reduction in manual data extraction work.
- Configured dynamic SSRS reports with data-driven subscriptions to provide flexible and user-friendly reports achieving 30% reduction in report generation time.
- Automated report generation by invoking SSRS subscription jobs within SSIS packages to deliver thousands of generated reports directly to APIs for end-user access, optimizing 47% efficiency and reducing manual report generation time.

Senior Data Engineer │ L&T InfoTech   Jan 2020 - Dec 2021
Mumbai, India

- Created tables, indexes, functions, stored procedures, View and optimized SQL queries, contributing to 35% improved database performance.
- Migrated and optimized a large-scale data warehouse to Teradata, enhancing query performance by 40% and streamlining ETL processes using Teradata tools.
- Streamlined migration to the cloud by analysing complex SSRS reports, extracting detailed configurations, and modifying Oracle query logic into AWS Redshift, reducing migration time by 50%.
- Streamlined data transfer from SQL Server to Snowflake via SAP BODS, ensuring cross-platform data consistency vital for SAP BO reports.
- Contributed to low-level and high-level design phases in every sprint accelerating development timelines by 20%.

Associate Consultant | Capgemini   Feb 2016 - Dec 2019
Mumbai, India

- Developed and executed SSIS packages, ensuring data quality and reducing workflow failures by 34% through automation.
- Applied SQL stored procedures in ETLs, automating data transfer and workflows, resulting in a 30% reduction in manual efforts.
- Improved the performance of the Power BI dashboard by 20% by carefully applying row-level security, ensuring efficient processing of 1 million records of data.
- Constructed reports in SSRS enabling customers to extract detailed information more efficiently for advanced business analysis.
- Addressed 90% of customer queries, optimizing tool efficiency with SQL solutions with data accuracy through issue identification and resolution.

Projects

- ➤ Built a Python-based web application with HTML, integrating the Spotify API for user registration, personalized song curation, and seamless interaction with Spotify's music library. Enhanced user experience with CSS and JavaScript.
- ➤ Manifested 6+ user-centric Power BI dashboard featuring dynamic bar charts for clear visualization, Data Exploration, and Statistical analysis for tracking yearly university graduate trends.

Professional Awards & Achievements

- June 2022 - Received High-Five award at Persistent Systems
- July 2021 - Interviewed experienced candidates for MSBI profile at L&T Infotech
- May 2021 - Received appreciation from manager for stupendous work.
- Dec 2017 - Received Rising Star award at Capgemini.