Sravya Mangalampalli

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ABOUT ME

Loves working with numbers and aspiring to make a career in analytics.

Meticulous BI/DWH Analyst with over 5 years of experience in efficiently designing BI processes, developing dynamic data models, and creating comprehensive analytical reports. Proficient in utilizing advanced analytical techniques to transform complex data into actionable business insights.

WORK EXPERIENCE

12/2022 – CURRENT Düsseldorf, Germany
BI/DWH ANALYST (HYBRID) DEUTSCHE FACTORING BANK

- Responsible for development and design of the DFB's **Enterprise Data Warehouse** (EDWH) using **SQL Server Management Studio** (SSMS) and **Oracle** with the aim of providing robust and scalable BI solutions.
- Developed BI solutions and pipelines using **T-SQL** for qualitative and quantitative **monitoring** and auditing of data, which shed **100% insights** into various data like creditors, debitors, transactions and invoices coupling it with a creation of testing framework that improved **error detection efficiency by 65%**.
- Leveraged SSIS packages in establishing and configuring **SQL Server Mail agents** for scheduling jobs for automating processes, which eliminated the need for manual interventions there by decreasing the **loading times by almost 70%**.
- Delivered **analytical dashboards using advanced Excel and Power BI** to provide insights based on **historical** data of EDWH from various sources, leading to improvement in the **performance of the dashboards by 80%**.
- Conceptualised **process and data models**, aligning with precise user requirements and business objectives with a focus on **risk management** for the bank providing an overview of risky customers, leading to **50% cost savings**.
- Collaborated with the external team to facilitate **Data Migration** and **Database Design** to new servers by developing business logics and ETL processes for the next generation EDWH design to implement parallel processing and accelerated **Data Ingestion**.
- Maintained and documented **BI solutions** related to the Enterprise Data Warehouse to ensure a comprehensive record of **business information workflows,** translating business needs into technical specifications and implementing them as per requirement.

01/2021 – 06/2022 Hyderabad, India
DATA WAREHOUSE ENGINEER TATA CONSULTANCY SERVICES

- Developed comprehensive **Data Definition Documents** (DDD) to standardize data structures, mapping OLTP source data to the Data Warehouse (DWH) schema, ensuring consistency and accuracy across ETL processes**.**
- Optimized **incremental data loading** processes**,** reducing turnaround time from **48 hours to 24 hours** by restructuring workflows and **partitioning** techniques thereby receiving appreciation award for pro-activeness and accuracy in the team.
- Enhanced **reporting performance by 75%** in the Customer Intelligence & Insights (CI&I) platform by aggregating data using PostgreSQL and Hive, storing it in an RDBMS-based OLAP database for faster analytics.
- Engineered dimensional and logical data models using the Snowflake schema and implemented **Slowly Changing Dimensions** (SCD) techniques in the insurance domain, reducing **data redundancy by 90%** and improving data integrity.

07/2019 – 12/2020 Bhubaneswar, India
ETL DEVELOPER TATA CONSULTANCY SERVICES

- *Extracted* and integrated data from diverse heterogeneous sources (CSV, Hive, flat files) through a structured staging layer, transforming high-volume datasets into a centralized target database via optimized ETL workflows.
- **Developed ETL pipelines** to enhance data warehousing capabilities, leveraging advanced transformation logic— including filtering, expressions, joins, SQL queries, aggregations, and custom scripts.

- Optimized performance of existing dashboards and ETL pipelines by implementing data tuning and cleansing strategies in SQL, *redesigning data models* and improving overall *system efficiency by 60%.*
- Collaborated in *Agile-driven* SDLC phases for Data Warehousing (DWH) projects, designing and implementing a customized ETL data mapping solution to ensure efficient and scalable data integration.

EDUCATION AND TRAINING

04/2015 – 04/2019 India
B. TECH B.Tech : Jawaharlal Nehru Technological University (J.N.T.U)

Minors in Database Management Systems

Field of study Computer Science and Engineering

SKILLS

CURRENT
Technical Skills

Data Warehousing : ETL, Data Modelling, Data Analysis, OLAP, OLTP, Star Schema, Data Vault 2.0
Databases : Microsoft SQL Server, MySQL, PostgreSQL, Hive, Oracle
Programming Languages : SQL, Python, Java, T-SQL
Tools : SSMS, Power BI, Informatica, Airflow, Microsoft Excel, Snowflake, Vertabelo

LANGUAGE SKILLS

Mother tongue(s):   **ENGLISH**

Other language(s):   **GERMAN : LEVEL B1**

CERTIFICATIONS

Certifications

- **Hackerrank**: SQL (Advanced)
- **iNeuron** : Full Stack Data Analysis Bootcamp (Ongoing)
- *WIP* : Microsoft Power BI Data analyst, Microsoft Azure Data Engineer Certificate