SINDHUJA VADDI

Boston, MA | Portfolio | vaddi.k@northeastern.edu | GitHub | LinkedIn | Tableau

EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA
Master of Science in Data Architecture and Management *May 2023*

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Hyderabad, India
Bachelor of Technology in Computer Science Engineering *Apr 2019*

TECHNICAL SKILLS

- Data Analytical & BI Tools: Google Analytics, SAS, Talend, Alteryx, Tableau, Microsoft Power BI
- Programming Languages & Web Technology: R, Python, SQL, HTML, CSS, React
- Cloud Computing Platforms: Microsoft Azure, Google Cloud Platform (GCP)
- Relational Database: SQL Server, Google BigQuery, Azure SQL, PostgreSQL, MySQL, Oracle, IBM Db2
- NoSQL Database: Azure Cosmos DB, Apache Cassandra, Neo4j, ArangoDB
- Other tools: DBeaver, ER Studio, SAP ECC 6.0, SAP Advanced Data Migration by Syniti, Microsoft Office Excel

PROFESSIONAL EXPERIENCE

GENPACT, Hyderabad, India - ***Data Analyst*** *Jun 2019 - Jun 2021*
- Streamlined the migration of sales data for over 350 vendors across 12 locations into SAP Altais during UAT and production
- Designed a Web app using Syniti's Advanced Data Migration tool, reducing data errors by 85% and ensuring adherence to requisite Data Quality standards
- Automated the mapping of extracted legacy data to target data using SQL Server, resulting in a 75%-time optimization
- Improved data quality by over 80% through cleaning and analysis of SAP data, including Vendor Master, Material Master, Purchase Info Records, and Source List for 5+ business sites
- Developed more than 150 Data Quality rules based on business requirements to store, analyze, and derive insights from data
- Collaborated with cross-functional teams to deliver over 300 SQL ad-hoc queries for extracting data reports

PROJECTS (**More on my GitHub**)

Portfolio Website [Visual Studio Code, Git, React, CSS, Vercel] *Feb 2023 - May 2023*
- Designed the website to effectively highlight personal traits, skills, and achievements for potential employers or clients
- Implemented Git for version control and Vercel for seamless Continuous Deployment

NYC Motor Vehicle Collisions Analysis [ER Studio, Talend, Alteryx, SQL Server, Tableau, PowerBI] *Dec 2022*
- Developed dimensional models to create 7 fact and 26 dimensional tables to store and analyze 1.99 million rows of data
- Performed data loading from multiple sources and conducted data cleaning operations using various components in Talend, such as tMap, tReplace, tUniqRow, tSplitRow, and tUnpivotRow
- Created an extensive collection of over 70 reports and dashboards using Tableau and Power BI to visualize the analysis of metrics, time series, collision patterns, and fatal incidents, providing valuable insights into the dataset

BI Analysis of Iowa Liquor Sales Data [ER Studio, Talend, Alteryx, SQL Server, Tableau, PowerBI] *Nov 2022*
- Crafted an intricate and efficient dimensional model, seamlessly handling a vast volume of 24 million records
- Orchestrated the data load process with finesse, leveraging the prowess of ER Studio, Talend, Alteryx, and SQL Server. Employed techniques such as tMap, tReplace, tAggregateRow, and triggers on Talend to ensure data integrity and precision
- Transformed complex data into captivating visualizations, showcasing over 50 meticulously crafted reports and dynamic dashboards using Tableau and Power BI to showcase essential KPIs

SDN Intrusion Detection Data Analysis [Neo4j, Python(Pandas, Matplotlib, Seaborn)] *Feb 2022 - Apr 2022*
- Identified more than 344,000 instances of malicious attacks in the SDN Intrusion Detection data
- Devised a robust data model comprising nodes and relationships to accurately represent and analyze 1 million rows of data, enabling comprehensive reporting and BI analysis to showcase various attack types and their distinctive characteristics

CERTIFICATIONS

- Product Analytics Micro-Certification (PAC)™ *Jun 2022*
- Advanced Google Analytics *Jun 2023*

ACTIVITIES

- Participated in the Data Analytics Consulting Virtual Experience Program by KPMG Australia with Forage
- Freelanced as a Managed Network Expert in Computer Science and Engineering at Chegg India
- Worked as a Lab Assistant at the Immersive Media Lab at CAMD, Northeastern University
- Working as a Graduate Teaching Assistant for the course Accounting and Budgetary Systems for Engineers