

# SINDHUJA VADDI

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## EDUCATION

**NORTHEASTERN UNIVERSITY**, Boston, MA

*Master of Science in Data Architecture and Management*

*Expected May 2023*

Relevant Coursework: Data Science with Python, Data Management and Database Design, Big Data Architecture and Governance, Advanced Database Management Systems, Designing Advanced Data Architectures for Business Intelligence

**GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT**, Hyderabad, India

*Bachelor of Technology in Computer Science Engineering*

*Apr 2019*

## TECHNICAL SKILLS

- Data Analytical & BI Tools: SAS, Talend, Alteryx, Tableau, Microsoft Power BI
- Programming Languages & Web Technology: R, Python, SQL, HTML, CSS, WordPress
- 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, 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 pipelines to migrate sales data of over **350** Vendors in **12** locations into SAP Altas during UAT and Production
- Reduced **85%** of the data errors by designing a Webapp in Syniti's Advanced Data Migration tool to refine data not following the requisite Data Quality standards
- Optimized time by **75%** by automating the mapping of the extracted legacy data into target data by using SQL Server
- Cleaned and Analyzed SAP data of Vendor Master, Material Master, Purchase Info Records, and Source List for **5+** business sites by improving data quality by over **80%**
- Stored, analyzed data, and identified insights by creating over **150** Data Quality rules based on business requirements
- Delivered over **300** SQL ad-hoc queries to extract data reports by collaborating with cross-functional teams

## ACADEMIC PROJECTS (More on my [GitHub](#))

**Iowa Liquor Sales Data Analysis** [ER Studio, Talend, Alteryx, SQL Server, Tableau, PowerBI]

*Nov 2022*

- Pioneered the dimensional model to load **24 million** records of Iowa Liquor Sales data
- Performed Data Load with multiple sources and Data Cleaning using data aggregation, replacement, and triggers on Talend
- Generated over **50** reports and dashboards showcasing visualization of various KPIs using Tableau and Power BI

**Analysis on New York, Dallas, and Chicago Food Inspection** [Alteryx, SQL Server, Tableau, Power BI]

*Oct 2022*

- Designed dimensional models to create **6** Fact and **20** Dimensional tables respective to New York, Dallas, and Chicago
- Performed Profiling, Transformations using regular expressions and parsing, and Cleaning on Alteryx
- Created **100+** reports and dashboards using Tableau and Power BI to highlight inspections, violations, and severity over time

**Airbnb Database Management System** [Talend, SQL Server, Power BI]

*Oct 2022*

- Implemented ETL process to generate a multi-model database schema consisting of relational and graph tables
- Performed Data Cleansing & Normalization by creating a master job to update all tables
- Created 100+ reports and dashboards using Tableau and Power BI to highlight inspections, violations, and severity over time

**SDN Intrusion Detection Data Analysis** [Neo4j, Python(Pandas, Matplotlib, Seaborn)]

*Feb 2022 - Apr 2022*

- Identified **180 billion+** malicious attacks on the SDN Intrusion Detection data and designed nodes and relationships for **1 million** rows that would illustrate reporting and BI analysis to highlight different attacks and their characteristics

## CERTIFICATIONS

- Product Analytics Micro-Certification (PAC)<sup>TM</sup> *Jun 2022*
- Google Analytics for Beginners *Mar 2023*
- Tableau Desktop Specialist *Expected May 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