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Mugdha Tejal

## Data Engineer / Data Expert

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**An achievement-driven professional**, targeting senior level assignments in **Data Engineering / Data Warehouse Designing / Data Science** with an organization of high repute

**Location Preference:** Bengaluru / Mumbai / Overseas

# Executive Profile

* A result-oriented professional, with **nearly 5 years** of experience in **Data Engineering, Business Intelligence, and Data Warehousing in Retail, Food, & Online Game industry**
* Played a key role in **re-designing the Data Warehouse for Swiggy using**

## Python and Hive/Presto SQL largely.

* Experience in design & development of **Business Intelligence (BI) Solutions** using Data Modeling (Relational, Dimensional, Star & Snowflake Schema), SCD, ETL Processes, Data Migration, Data Integration, OLAP and Client /Server Application
* Successfully **developed ETL from scratch** – Data Cleansing, Data Modeling, Designing ETL Layers for **Rue21 Project**

## Assisted in resource planning, hiring and training as Lead Data Engineer

* Successfully formulated measures, aggregate, dimension & hierarchy, attributes, **Key Performance Indicators (KPI) & Dashboards** for **Fashion/Drug Retail Industries**

# Core Competencies

## Data Engineering / Analysis

* + **Business Intelligence Solutions**
	+ **Data Science/ Data Modelling**
	+ **Project Management & Execution**
	+ **Data Warehouse Designing**
	+ **ETL Processes Development**
	+ **Data Migration / Integration**
	+ **Cloud/Big Data Environments**
	+ **Requirement Gathering**
	+ **Cross-functional Coordination**
* Worked on multiple ETL tools like **SSIS, Chronos (Docker File System),**

**Qubole and Parametrized Query Based ArcSync ETL** & reporting tools; rich knowledge of Data Warehousing, SDLC & ETL Architecture, Reporting & **Merchandise Analytics BI Tools**

* Experience in Cloud Technologies like **AWS S3 & Redshift** also, On-premise **MS SQL Server (2016 & 2018)**
* Experience in **Big Data technologies like Hive**, and handling huge volumes & velocity of data in **Swiggy and Play Games 24X7**
* Skilled in manipulating & analyzing complex, high-volume, high- dimensionality data and using **Data Cleansing, Data Profiling & Data Analysis - SQL Coding**
* Proficient in building Dashboards, Key Performance Indicators, Reports on

Manthan’s Native Analytics Product for Consumer and Merchandise Analytics

# Education & Credentials

**Soft Skills**

Analytical Problem-solver **Collaborator** Intuitive **Motivator**

Team Builder Leadership

* **B.Tech. in Computer Science and Engineering** from Techno India Institute of Technology, Udaipur, Rajasthan (RTU) in 2014 with 69.5%

# Certifications

* **Python for Everybody**, a 5-course specialization by University of Michigan on Coursera Certification in 2018
* **SAP Certified Development Associate** - ABAP with SAP NetWeaver 7.0 (C\_TAW12\_70) in 2014
* **Oracle Certified Java Programmer** - Standard Edition 6 in 2013

# Career Timeline

Manthan Systems as Data Engineer / BI Developer

Compassites as Data Engineer / Data Expert

Mar'15 – Dec'16

Feb'17 – Jul'17

Mar'18 – Jul’19

Aug’19 – till date

Play Games 24x7 as Data Engineer

Manthan Systems as Lead Data Engineer

# Technical Skills

* **Environment:** Linux, Windows, Mac OS
* **Big Data:** Hadoop Essentials
* **Tools:** SQL Workbench, Amazon S3 Bucket, Attunity Replication Tool, ARC ETL Tool, familiar with SSIS, Qubole, Chronos ETL
* **Reporting Tools:** Merchandise Analytics Application, ARC Reporting Application, BCM Report De-signer, PowerBI
* **Database:** Hive, PrestoDB, MySQL, Amazon Redshift, MS SQL Server, Presto DB
* **Programming Languages:** SQL, Python, Java, SAP ABAP

# Professional Experience

**Manthan Systems, Bengaluru as Lead Data Engineer Aug’19 – till date**

## Clients: Love’s, Rue21, Alshaya

**Key Result Areas:**

* Developing, refining and scaling data management & analytics procedures, systems, workflow, and best practices
* Creating framework, metrics & reporting to ensure progress can be measured, evaluated and continually improved
* Performing in-depth analysis of information for the purpose of identifying opportunities, developing proposals and recommendations for use by management
* Supporting as well as coordinating User Acceptance Testing (UAT) for production defects and new requirements
* Performing data analysis and evolving ideas
* Assisting in deployment, change management and quality assurance; providing technical support
* Performing problem assessment, resolution & documentation in existing ETL process, and mapping workflow
* Supporting the development of performance dashboards that encompass key metrics to be reviewed with senior leadership and management

## Projects Undertaken:

**Love’s – (Role - Customer Analytics Expert; Customer Location - Oklahoma, USA)**

* Commanded the migration of **Customer Analytics (DB and Application)** from **On-Premise to Cloud Servers**
* Delivered **UAT Support** for **Merchandise Analytics (Application and DB)**
* Supported & guided 2 junior resources on their daily tasks; conducted code reviews, & KT sessions, whenever required

## Rue21 – (Role - Team Lead; Customer Location – Pennsylvania, USA)

* Piloted the **end-to –end project delivery** as the **Offshore Point of Contact**
* Gathered required data, conducted user acceptance test, facilitated deployment, delivered customer support during deployment, and ensured handover of project to the dedicated Support Team (KT)
* Mentored & guided **3 Junior Resources** – KT, task assignment, progress reviews, scrums, code reviews, and so on

## Alshaya – (Role – BI Resource; Customer Location – UAE)

* Steered the delivery of **Merchandise Analytics Application**
* Worked on **Change Requests** which included major changes in DB Structure as well as Application Configurations

**Compassites, Bengaluru as Data Engineer/Data Expert Mar'18 – Jul’19**

## Client: Swiggy (Bundl Technologies)

**Highlights:**

* Successfully designed a **robust Data Warehouse as well as ETL Structure** containing multiple organized layers of components (dimensions, facts, aggregates, views) resulting in enhanced dashboards performance designed across the organization
* Pivotal in designing another derived **Data Warehouse for Data Science Team**, compatible with **Vidyut Data Science platform** designed by Data Science Platform Team, resulting in improved performance for Data Science Team

## Utilized PrestoDB, Qubole, Hive, MySQL, Chronos, PowerBI, Python, Shell, SQL

* Collaborated with Data Scientists to manage analytical data marts and executed data pre-processing projects using SQL + Python

**Play Games 24x7, Bengaluru as Data Engineer Feb'17 – Jul'17**

## Branch: Ultimate Games

**Highlights:**

* Played a key role in **maintaining and changing the present Data Warehouse**
* Collaborated with stakeholders (Data Scientists) to obtain required details from DB to run specific data models
* Delivered suggestion to capture new data points resulting in analysis regarding the tap count of a certain f eature

**Manthan Systems, Bengaluru as Data Engineer/BI Developer Mar'15 – Dec'16**

*Joined as* ***Graduate Engineer Trainee*** *and promoted to* ***Data Engineer***

## Clients: Mitra Adiperkasa (MAP), SouthStar Drug

**Projects Undertaken:**

**Mitra Adiperkasa – (Role – BI Developer; Customer Location - Indonesia)**

* Managed **end-to-end project** right from UAT phase - Extracted data from flat files and transformed, cleansed, validated and loaded data into destination database tables
* Developed complex queries which included **Sub Queries, Joins, Date Functions, String Functions, & Rank Functions**
* Formulated multiple processes & tasks to load data from stage to **DWH using ARC ETL Tool**
* Prepared **Reports, Subscriptions & Alerts** for Business Users based on their requirements

## South Star Drug, Robinsons (Role - BI Developer; Customer Location – Philippines)

* Worked on **UAT, Deployment, Deployment CR**

Personal Details

**Date of Birth:**

11th May 1991

**Languages Known:** English, Hindi, & Gujarati **Current Address:** Domlur, Bengaluru, Karnataka **Permanent Address:** Motera, Ahmedabad, Gujarat