

# SIDDHESH AHER

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Available for Full-Time Opportunities from May 2022

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## EDUCATION

Northeastern University, Boston, MA

May 2022

Master of Science in Engineering Management (Specialization: Data Analytics)

GPA: 3.7

Course: **Database Management and Database Design, Computation and Visualization for Analytics, Data Warehousing and Business Intelligence**

DY Patil College of Engineering, Pune, India

Aug 2015 - Jul 2019

Bachelor of Engineering

## TECHNICAL SKILLS

- **Specializations:** Data Warehousing, Modelling, Visualization, ETL, Analytics, Business Intelligence
- **Programming languages:** SQL, PL/SQL, R, HTML,
- **Databases:** Oracle DB, MySQL, Adventure Works, MongoDB
- **BI Skills:** Tableau, Power BI, Spotfire
- **Tools:** Git, ER/Studio, Oracle Data Modeler, SSMS, SSIS, SQL power tool
- **ETL:** Data Profiling, Data Integration, Data Modelling, Talend
- **Mathematical packages:** MATLAB, Advanced Excel
- **Project Management:** Microsoft Office Suite(Project, Visio, Excel, PowerPoint, Smartsheet)

## ACADEMIC PROJECTS

**Retail Data Warehousing and Business Intelligence: (Power BI, Tableau, Talend, Alteryx)**

Jan – May 2021

- Designed ETL workflow using Talend to integrate data into facts and dimensions of retail data warehouse
- Accomplished data profiling, cleansing, integration, and price history tracking using Talend and Alteryx
- Optimized different ETL jobs for ensuring one-click load to the entire data warehouse using a master job by parallelization
- Utilized Power BI and Tableau to create a various analytical dashboard that depicts critical KPIs

**Covid-19 Effect on Greenhouse Gasses: (Tableau, Excel, Datawrapper, R, Flourish)**

Sept - Dec 2020

- Accumulated raw data from health Care organization and climate website, Merging, Pivoting done with the help of R, Excel was used for data wrangling to manipulate datasets so that datasets will be more appropriate for use in Tableau
- Incorporated datasets of annual global temperature in Datawrapper, and Flourish to show the behavior of temperature movement versus the number of disaster events in time series
- Developed dashboard using Tableau to get insight regarding the changes in gas percentage due to Covid-19

**Ticketing and Inventory Railway System Management: (Oracle DB, SQL, PL/SQL, Excel)**

Sept - Dec 2020

- Participated with a team of 3 to design database model, designed ERD with the help of ER/Studio, Erwin data modeler
- Implemented DDL, and DML statements using SQL and, PL/SQL blocks, packages, procedure, and triggers
- Drafted datasets with the help of Oracle SQL developer tool, providing functionalities like booking the ticket, tracking the trains, reserving a seat for passenger and caboose for Industry, Maintaining the smooth flow of trains through the railroads to avoid congestion, performed data visualization, and generated reports for the derived insights

**Database Design and Development for Dentist Office: (SQL Server, Excel, Java 8, Swing)**

Jan – May 2021

- Collaborated with a team of 3 to design database model, modelled using Toad Data Modeler
- Performed reverse engineering to generate DDL scripts and created a database that satisfies 3NF in SQL Server
- Integrated database with Java application (JDBC), providing functionalities like registering patient, booking appointment, tracking treatments and creation of invoice, and performed data visualization and generated reports for the derived insights

## PROFESSIONAL EXPERIENCE

**Roche (Genentech), San Francisco, USA (R Shiny, R Markdown, Spotfire, Smartsheet, Snowflake)**

Jul – Dec 2021

Data Analyst

- Designed the ADA Cutpoint tool application with the help of R Shiny for the Scientist to help them in their day-to-day task by replacing the IDBS Biobook
- Combined two files i.e., ui.r and server.r files to build the application. R markdown used for pdf generation which helps scientist to review some important plots and tables helpful for making new discoveries
- Consumed multiple APIs to get required set of data from smartsheet and Snowflake and create useful dashboards for easier tracking of entities and to give insights about estimate samples vs actual samples
- Various information links created to extract the data from the source with the help of Information designer