

Mansi Agarwal

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EDUCATION:

Northeastern University, Boston

Expected May 2021

Master's in Information Systems

Relevant Courses: Data Warehousing and Business Intelligence, Data Management and Database Design, Application Engineering and Development, Data Science Engineering Methods and Tools, Program Structure (Data structures) and Algorithm

University of Mumbai, India

July 2019

Bachelor of Engineering in Information Technology

TECHNICAL SKILLS:

Programming Languages: Python, Java, R

Database Systems: SQL, MySQL, PostgreSQL, Alteryx, Talend

Data Visualization Tools: Microsoft Excel, Power BI, Tableau, Amazon QuickSight

Web Technologies: HTML, CSS

Frameworks/Tools: Microsoft Word, Microsoft Outlook, SSMS, R studio, Jupyter notebook, Google colab

WORK EXPERIENCE:

BhaktiVedanta Hospital and Research Institute, India

Jul 2018- Mar 2019

Data Analyst Intern: Automated Healthcare Informatics on Service Management (Tableau, SQL)

- Mined and analyzed Business data, processes and facilitated Automation for the service sector of the hospital.
 - Facilitated data management, created more than 100 personalized, operational and interactive dashboards using data visualization & BI tool, Tableau
 - Gathered requirements from departments and documented process flows and fired various SQL queries for efficient data extraction and storage on more than 100k records
 - Collaborated with team of all departments to enhance the efficiency of the portal, by brainstorming ideas and sharing information and was successful in recognizing the important KPI's (Key Performance Indicators) for each department
 - Worked with cross-functional team of various corporate and research departments.
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ACADEMIC PROJECTS:

IMDb (Talend, Tableau, Power Bi, SQL)

Dec-2020

- Performed Data cleansing on more than 4 million rows of data from different datasets and ingested the data into ingestion schema
- Amplified loading of data into the dimensional model using Talend workflow
- Assessed the data further by firing SQL queries and then visualized the data by curating 3 interactive dashboards using Tableau and Power Bi

AdventureWorks (SQL, Power Bi, Alteryx, Talend)

Oct 2020

- Transforming relational database of the year 2017 with more than 6k records into dimensional model using e/r studio and data profiling by firing SQL queries and creating 20+ dashboards in power bi
- Loading the data in Alteryx and performing data profiling again, loading jobs in Talend

Quad Squad Property Management (SSMS, Tableau, Microsoft Power Bi)

Jan 2020 – Apr 2020

- Created an apartment leasing relational database for the management company who rents apartments to the customers
- Designed and developed business rules for the company and identifying the necessary entities and attributes required
- Advanced the database of 100K records and created entity-relationship schema using specialized tools like MS Visio
- Implemented various SQL queries, triggers, procedures, functions to display different instances of data
- Visualized the final reports using Data Visualization tools like Tableau and Power BI
- Created reports and presented the work to the whole team.

Data Science Project (The War of Kurukshetra) (Python (pandas, NumPy))

Nov 2019 – Dec 2019

- Implemented various data mining techniques like of Machine Learning using python like Random Forests using Python (NumPy, Pandas, Scikit Learn and Keras) on the Book Ramayana
 - Utilized web scraping techniques to extract and organize the meaningful data extracted
 - Used Predictive Modeling to predict the main characters from the book by predictive analysis, also implemented text mining and sentimental analysis
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EXTRACURRICULAR ACTIVITIES:

General Electric Virtual Experience Program Participant (Data Analyst)

Aug-2020

Participated in the open access General Electric Virtual Experience Program with InsideSherpa.

- Transformed and orchestrated live Aviation data
- Combined various PostgreSQL datasets using the Stacked feature and built 7 dashboards and insights using Dataiku