**AYUSH JAIN**

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**EDUCATION**

**Northeastern University,****Boston, MA Expected Aug 2019**

**Master of Science in Information Systems (GPA 3.75)**

Courses: Data Management & Database Design, Advances in Data Science, Data Warehousing and Business Intelligence

**Mumbai University,****Mumbai, India Jul 2013-Aug 2017**

**Bachelor of Engineering in Information Technology** **(GPA 3.6)**

**TECHNICAL SKILLS**

**Database:** MySQL, Oracle 11g, SQL Server, PostgreSQL, Microsoft Azure, MS Access, MongoDB

**Programming languages:** SQL, Python, PL/Sql, Java

**BI Tools:** Tableau, Qlik Sense, Power BI, Qlik View, PowerPivot, SSRS

**Tools:** Talend, SSIS, Informatica, Alteryx, Toad, Microsoft Office Suite, SSAS, AWS, Apache Spark

**Machine Learning:** Pandas, Numpy, Sklearn, Seaborn, Scikit-learn, Matplotlib, Tensorflow, Keras, H2O

**PROFESSIONAL EXPERIENCE**

**Northeastern University, Boston, MA**

**Graduate Teaching Assistant***–* **Data Warehousing and Business Intelligence May 2018-Present**

* Guiding students in learning Data Analysis, Business Analysis, Data Modelling, Data Integration and Data Warehousing
* Assisting graduate students with creating dashboards and visualizations in **Tableau**, **Qlik Sense** and **Power BI**
* Mentoring students to perform Data Integration using ETL tools like **Talend** and **SSIS**

**Granite Telecommunications, Boston, MA**

**Database Developer Co-op Aug 2018- Dec 2018**

* Enhanced the security of applications by improving the stored procedures, creating triggers, testing the databases by creating batch scripts for multiple databases in **Oracle** and **MS Sql Server**
* Created new stored procedures from the inline Sql having complex queries, dynamic variables and tables
* Worked on Customer Profiling to identify various parameters in **Hive** by sqooping tables from MS Sql Server and designing powerful dashboards in **Power BI** related to customer data and statistics

**WelcomeTech LLC, Navi Mumbai, India**

**Data Analyst Intern Jun 2016 – Aug 2017**

* Performed market research, identified sales trends, and created dashboards using **Tableau**
* Maintained a **MySQL** database for storing data, building view to make the querying and report generation efficient
* Designed and created reports in **Excel** using VLOOKUP and Pivot tables for reporting and **Python** for data analysis and cleaning

**ACADEMIC PROJECTS**

**Northeastern University, Boston, MA**

**Jobs Recommender System (Python3, Anaconda) Mar 2018 - Present**

* Web scrapped data from the Indeed site to prepare a sample data set of jobs with its description and skills
* Building a recommender system using python to train the model with the jobs listing dataset
* Parsed the resumes to find the skillset of candidate, fetch that data to the recommender system to check for the recommended jobs

**Retail Data Warehouse Integration & Visualization (Talend, SSIS, Tableau, Qlik Sense, Power BI) Feb 2018-Apr 2018**

* Integrated a data warehouse from multiple data sources like databases (**MS** **Sql Server, MySQL, Oracle, Postgre**), CSV and flat files for a retail store having data from three different regions in Talend
* Optimized the order of jobs in Master job to enhance the One-Click execution of all jobs
* Created Dashboards and analyzed sales parameters like forecast, trend, ranking in Tableau, Qlik Sense and Power BI

**Prediction of Airbnb New User Booking (Python3, Anaconda) Jan 2018-Apr 2018**

* Performed Exploratory Data Analysis and feature selection using Algorithms like XGBoost and Extra Tree Classifier
* Executed various **Machine Learning** Algorithms like Support Vector Machine, Naïve Baye’s, Random Forest Classifier and simulated Neural Networks like Multilayer Perceptron and Recurrent Neural Network
* Used libraries like **NumPy, Pandas, matplotlib, SciPy** for plotting graphs and performing analysis

**English Premier League Database Management System (My Sql, Toad Data Modeler) Sep 2017-Dec 2017**

* Prepared a Database for English Premier League having details about the clubs, matches, stadiums, players and all statistics
* Created an ER model and implemented concepts of Normalization to 3NF, executed triggers, views and stored procedures
* Performed aggregation, complex joins of multiple tables, creating and granting access to new users