

## ROHIT K. ULHE

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### SUMMARY

Information System graduate student with expertise in Machine Learning and Artificial Intelligence. Experienced professional with over a year experience in Data Warehousing and Business Intelligence. Demonstrated understanding of ETL methodologies with a proven experience in handling Business Intelligence tools.

### TECHNICAL/PROFESSIONAL COMPETENCIES

<b>Data Integration:</b>	Talend for Data Integration, Microsoft SQL Server Integration Services, IBM InfoSphere DataStage
<b>Python Libraries:</b>	Pandas, Numpy, Matplotlib, ggplot, NLTK, Scikit-learn, XgBoost,
<b>Machine Learning Algorithms:</b>	Linear Regression, Logistic Regression, KNN, K-Means, Random Forest Regressor, SVM, Naïve Bayes Classifier
<b>Web Technologies:</b>	HTML, JavaScript, CSS, PHP, jQuery, Ajax
<b>Programming Languages:</b>	Java, C, C++, Python
<b>Databases:</b>	Microsoft SQL Server, MySQL, PostgreSQL, Oracle, NoSQL
<b>Business Intelligence:</b>	Tableau, Power BI, Qlik Sense, Excel

### EDUCATION

**Northeastern University, Boston, Massachusetts.**

**Anticipated December 2019**

Master of Science in Information Systems

- Coursework: Application Engineering and Development, Advance Data Science, Data Warehousing and Business Intelligence, Virtual Environments, Data Engineering Tools and Methods

### PROFFESIONAL EXPERIENCE

**Data Analyst** | Datawise, Hyderabad, India

**March 2016 – August 2017**

Research and Analysis company focused on helping global customers to make better decisions

- Developed **ETL processes** for data conversion and construction of datawarehouse using **IBM InfoSphere DataStage**
- Responsible for writing stored procedures and triggers in **MS SQL Server**
- Designed Mappings from sources to operational staging targets using star schema
- Developed transformations using jobs such as **Filter, Aggregator, Lookup, Join and Transformer**
- Developed components of database, data queries, data storage, data schema, data transformations and data warehousing applications

### ACADEMIC PROJECTS Northeastern University

**Duplicate Quora Question Pairs Detection**

**April 2019**

- Analyzed the dataset and performed exploratory data analysis by stemming the words, removing abbreviations and plotted the graphs to analyze word count and character count in the dataset
- Designed a Machine Learning Model to detect similarity between the Quora Question Pairs using **LSTM Embedding** and **Word2Vec** technique using feature engineering
- Predicted the accuracy of the model using **XGBoost, Random Forest Regressor** and **Support Vector Regressor** and identified that XGBoost gave best accuracy of 91.34%

**Movie Genre Prediction**

**March 2019**

- Performed exploratory data analysis by stemming the words, removing abbreviations and plotted the graphs to analyze movie plots belonging to different genres
- Corrected the genre of the movies by hot encoding the genres column of the movie dataset
- Designed a Machine Learning Model to convert the movie plots into vectors using **Word2Vec** technique
- Predicted the accuracy of the model using **Multi-Nomial Naïve Bayes Classifier** giving accuracy of 81.9%

**Data Warehouse for Online Retail Store**

**February 2019**

- Conceptualized Data Warehouse for online retail store using **Talend Studio** and **SSIS** to design jobs for integrating data from various sources like SQL Script, CSV File, Excel Spreadsheets, XML files
- Performed **Data Profiling** and **Data Cleaning** on source data to handle null values for reject table analysis
- Implemented Error Handling, Currency Conversion and corrected **SCD Type 2** implementation.
- Minimized execution time in the master job by 20% using serialization and parallelization, to improve job performance
- Visualization of the analyzed data done using **Tableau, Qlik Sense** based on key performance indicators

