

Rushabh Nisher

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🎓 Education

Northeastern University, Boston, MA

September 2018-December 2020

Master of Science in Information Systems, GPA – 3.8

Relevant Courses: Advance Data Science & Engineering Methods and Designing Data Architecture & Business Intelligence

Mumbai University, Mumbai, MH, India

July 2014-May 2018

Bachelor of Engineering in Computer Engineering, GPA – 3.4

Courses: Distributed and Advanced Databases, Machine Learning, Artificial Intelligence, Data Warehousing and Mining

⚙️ Skills

<i>Programming Languages:</i>	Python, SQL (T-SQL, PL/SQL), Java, Shell Scripting
<i>Database:</i>	SQL Server, MySQL, Oracle, PostgreSQL, MongoDB
<i>ETL Tools:</i>	Talend, Alteryx, ER Studio, Azure Data Studio
<i>Visualization:</i>	Tableau (Desktop Specialist), PowerBI (DAX, M), Plotly, Matplotlib
<i>Big Data:</i>	Azure, Hadoop, PySpark
<i>Tools & Software:</i>	Excel (Functions, V lookup, Pivot Table), Jupyter Notebooks, Git, LaTeX, SAS, SPSS

📁 Work Experience

Boston Housing Authority – Data Analyst Intern

September 2019-December 2019

- Mapped out current process regarding data entry and proposed solutions towards better efficiency reducing data entry times from an average of 20 minutes to 5 minutes per application
- Identified data gaps and new data sources needed to improve the SQL Server data warehouse system
- Designed, coded, implemented, QA, coordinated user acceptance testing for a database system, associated inputs and outputs, and data processing jobs and built various views and reports for use by key stakeholders and employees
- Conducted data mining and analysis to uncover trends and correlations to better predict business results
- Automated Crystal Reports based monthly and weekly user reports saving approximately 100 hours

🎓 Academic Projects – Northeastern University

🔗 Autonomous Driving Vehicle – AI Skunkworks

September 2020-December 2020

- Applied Convolutional Neural Network algorithm to control the direction of a car in Open AI's Gym Environment
- Trained a deep Q learning algorithm and then used it to train an autonomous driver agent
- Achieved an average score of 800 for 10K training steps (88% accuracy)
- Made a self-driving car bot using both methods and compared their performances

🎬 Movies Data Integration and Visualization

January 2020-April 2020

- Designed a Dimensional Model for database and performed data consistency, cleaning, staging and integration processes
- Reduced the Data Integration time of IMDB and other Movies Databases from 4.5 hours to 1.5 hours
- Performed Data Visualizations on the databases and got meaningful insights for the same using visualization software like Tableau and PowerBI

🦋 Social Butterfly Application – AI Skunkworks

January 2019-April 2019

- Performed content optimization by scraping data from Twitter and extracted top hashtags for a given topic
- Implemented LSTM algorithm on the scraped data and generated new content
- Used sentiment analysis to gauge the sentiment of people on the newly generated data
- Employed Textblob achieving an accuracy score of 70% in aspect of knowing the data

📄 Publications

Hadoop Optimization for massive image processing- Face Recognition (<https://www.ijraset.com/files/serve.php?FID=16166>)

- Developed a Face Recognition System using the combination of Face Detection by *Haar based Cascade* and Face Recognition by *Local Binary Pattern Histogram*

🏆 Certifications – [Tableau Desktop Specialist](#) | [Azure Fundamentals](#) | [Python, SQL Programming](#) | [Google Analytics](#) | [Excel](#)