

**Suhas Maddali**  
**Khoury MSDS Student**

1203 Boylston Street, Boston, MA 02215 • (617) 671-  
5751, 480-28-63087

[maddali.s@northeastern.edu](mailto:maddali.s@northeastern.edu)

- **LinkedIn:** <https://www.linkedin.com/in/suhas-maddali/>
- **GitHub:** [github.com/suhasmaddali](https://github.com/suhasmaddali)
- **Available:** May – December 2022

## EDUCATION

**Northeastern University**, Boston, MA

Sept. 2021 – Present

**Khoury College of Computer Sciences**

Expected Graduation: Dec. 2022

*Candidate for Master of Science in Data Science*

Related Courses: Linear Algebra for Data Science, Collecting Storing and Retrieving Data,  
Supervised Machine Learning and Learning Theory, Data Processing and Data Management

**VNR Vignana Jyothi Institute of Technology**, Hyderabad, India

June 2015- May 2019

*Bachelor of Technology in Electronics and Communication Engineering*

Related Courses: Database Design and Management, Object Oriented Programming and Design,  
Data Mining, Data Visualization, Database Management Systems

## TECHNICAL KNOWLEDGE

Programming Languages:	Python, R, Pytorch, SQL-lite, SQL workbench, Scikit learn, Scipy, Numpy, Pandas, Plotly, Git, GitHub, Tableau, Conda, Keras, Excel, Powerpoint, Office.
Operating Systems:	Windows, MacOS
Certifications:	Machine Learning by Stanford University, Python for Data Science and Machine Learning, Deep Learning Specialization by Andrew Ng, Data Science and Machine Learning Bootcamp with R, Complete Tensorflow 2 and Keras Deep Learning Bootcamp

## ACADEMIC PROJECTS

**Washington Bike Demand Predictor**

Feb. 2021 - Apr. 2019

**Northeastern University**, Boston, MA

- Performed exploratory data analysis and added important features for the prediction of the demand for bikes in Washington.
- Used various machine learning models such as Deep Neural Networks, K Nearest Neighbors, PLS Regression, Decision Tree, Gradient Boosting Regression and Logistic Regression.
- Reduced the Mean Absolute Error from 52 to 22.54 from predictions.

**Predicting the Readability of Text Using Machine Learning**

Sep.2020 - Dec.2020

**Northeastern University**, Boston, MA

- Used vectorizers such as BOW, TFIDF, Word2Vec, BERT and Roberta for text analysis and feature extraction.
- Performed machine learning predictions such as Neural Networks, Gradient Boosting Decision Tree, PLS Regression, Decision Tree Regressor and Linear Regression to predict the difficulty score.

**Youtube Video Analysis**

April 2020 - Aug.2020

**Northeastern University**, Boston, MA

- Performed Exploratory Data Analysis for identifying different, categories, IDs, comments, ratings and trending videos and years along with publishing months.
- Grouped the data frame based on categories and channel title for the prediction of the use of different tools that were only used for the long term.