

Suhas Maddali

Khoury MSDS Student

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EDUCATION

Northeastern University, Boston, MA

Sept. 2021 - Present

Khoury College of Computer Science

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, Sklearn, Scipy, Numpy, Pandas, Git, Tableau, Keras, Xgboost, SQL, Pytorch, Tableau, Java, C, Scala, Spark, Office, Powerpoint, AWS, Matlab, Hadoop
Operating Systems:	Windows, MacOS
Certifications:	Machine Learning by Stanford University, Python, Deep Learning Specialization by Andrew Ng, Data Science Bootcamp with R, Complete Tensorflow 2 and Keras

ACADEMIC PROJECTS

Washington Bike Demand Predictor

Feb. 2021 - Apr. 2021

Northeastern University, Boston, MA

- Performed **Exploratory Data Analysis** in **Python** and innovatively added features to large, complex dataset for prediction of bike demand.
- Employed Machine Learning Models such as **Deep Neural Networks**, K Nearest Neighbors, PLS Regression, Decision Tree, SVM, Clustering, Gradient Boosting Regression and Logistic Regression.

Link: <https://github.com/suhasmaddali/Washington-Bike-Demand-Prediction>

Predicting the Readability of Text Using Machine Learning

Sep2020 – Dec. 2020

Northeastern University, Boston, MA

- Analyzed text embedding such as **BOW**, **TF-IDF**, **Word2Vec**, **BERT** and **Roberta** for text analysis.
- Influenced my team in delivering outcomes by performing data visualization and **dimensionality reduction**.
- Achieved a mean absolute error of 27 for prediction of readability of text.

Link: <https://github.com/suhasmaddali/Predicting-Readability-of-Texts-Using-Machine-Learning>

YouTube Video Analysis

April2020 - Aug. 2020

Northeastern University, Boston, MA

- Conducted Exploratory Data Analysis and **Data Visualization** for identifying categories, comments and trending videos and years along with publishing months using Seaborn and Matplotlib.
- Worked with a team of Data Scientist and Machine Learning Engineers to group data into categories, channels, and understand impact of these features on **YouTube trends**.

Link: <https://github.com/suhasmaddali/Youtube-Video-Analysis>

PROFESSIONAL EXPERIENCE

Solbots Technologies Private Limited

Jan. 2018 - Dec. 2018

Data Scientist Intern

- Developed **Statistical Analysis** and **Statistical Modelling** Using Python to understand grip of bionic hand.
- Executed computer vision algorithms for image segmentation and recognition using **OpenCV** and Matplotlib.
- Oversaw my team in applying data analysis, data engineering and data mining methods for computer vision.