
Education

Master of Science, Computer Science

May 2019

- Tandon School of Engineering, New York University
- Coursework: Big Data in Financial Engineering, Artificial Intelligence, Machine Learning, Data Science

Bachelor of Engineering (Honors), Computer Science

June 2017

- Gandhi Institute of Technology and Management- Visakhapatnam, India
- Coursework: Artificial Intelligence and Machine Learning, Data Mining and Warehousing

Technical Skills

<i>Languages</i>	R, C, Java, C++
<i>Databases</i>	MySQL, Postgres, Oracle, MongoDB
<i>Scripting</i>	Python, JavaScript, PHP
<i>Platform/Technologies</i>	RStudio, Jupyter, Azure Data Factory
<i>Other Tools</i>	Spark, Git, NLTK, Sci-kit learn, Pytorch, Tensorflow

Professional Experience

People Tech, Intern

May 2016

- Applied machine learning techniques to intelligently suggest retention policies for customers emails utilizing Spark cluster for machine learning algorithms and azure for data storage.
- Created a local social network web application using MySQL and web technologies, enabling features such as sending requests, creating posts, likes and dislikes.
- Evaluated various regression models(RR,NN,LR) to predict the salary of a person in the United States.

Academic Projects

Drone Attack Prediction (Python, Sci-Kit learn, Geoplotlib), New York University

- Developed a Time series model for analysis and predictions of drone strikes. Clustered the news clippings on each strike, performed sentiment classification to obtain key information like motivation behind the strike or the intended target.
- Implemented Stationary techniques on the time series model which helped in increasing the accuracy of prediction and achieving an excellent value of 8.86 and 2.022 as the Mean Absolute Error and Mean Forecast Error respectively.

Snicker (MySQL, Php, JavaScript, HTML, CSS), New York University

- Developed a slack clone using code igniter framework.
- Integrated features such as adding members to channel or workspace, communication through channels, adding and deleting channel.

Nutri Meter (AWS technologies, Python, JavaScript, HTML5, CSS3), New York University

- Aimed to calculate the daily calorie intake of a user
- Integrated a chatbot which can help the user to provide the recipe of any food item with an interactive web application. Extracted the food labels with the AWS Rekognition and ran it though the Edaman API to get the nutritional information.

Checkers Game (Python, pygame), New York University

- Utilized the pygame package in Python, to develop a checkers game and implemented the min-max algorithm to create an AI opponent that has a winning percentage of 70%.

Movie Review Analysis (Python, NLTK, twitter), New York University

- Built a comprehensive sentiment analysis model by incorporating the contents of reviews into a document level twitter sentiment classification using Max Entropy and Naïve Bayes algorithms.
- Clustered the tweets based on their polarity and achieved an accuracy of 85% for the Max Entropy model and 75% accuracy for the Naïve Bayes model.