Madhu Kiran Gudivada

Phone: (929) 370-2300 | Email: mkgmadhu1994@gmail.com
https://www.linkedin.com/in/madhu-kiran-g/ | **https://madhukirang.github.io/**

EDUCATION

New York University, New York**,** NY **Sep 2016-May2018**

Master of Science in Computer Science

Relevant Coursework: Big Data Analytics, Database Systems, Machine Learning, Information Security and Privacy, Computer Vision.

Amrita School of Engineering, Coimbatore, India **Aug 2012- May 2016**

Bachelor of Technology in Computer Science and Technology(CGPA:3.4)

Relevant Coursework: Pattern Recognition**,** Big Data Analytics, Formal Languages and Automata, Software Engineering, Database Management Systems, Operating Systems, Object Oriented Programming.

TECHNICAL SKILLS

Programming languages: python, Java, Javascript, C/C++, Hadoop, Pig Latin, Spark, Hive, HTML&CSS, Pyspark, scala,R.
Database **:** DynamoDB, MySQL, MangoDB.
Operating Systems **:** Linux OS, Windows OS,
Frameworks/Packages **:** Spring Framework, Bootstrap, AWS, pandas, sklearn.

WORK EXPERIENCE

Data Analyst Intern at Fierce Infotech LLC, Chicago (Feb 2018 - Present)

- Analyzed data collected from various users of the UtmostU app to create metrics that help represent the progress of students. Also analyzed the survey data collected from the app to evaluate the performance of the Academic Coordinators.
- Spearheaded the development of the product UtmostU and sent out reports after analyzing data through testing with suggestions for improving the app. Partnered with product development and engineering team by leveraging data to impact product vision using the identified trends and predictions.

Software Developer Intern at HCL Technologies, Chennai (May 2015-August 2015)

- Studied the design of the project by the host company for the Road Transport Authority of Tamil Nadu.
- Optimized the algorithm designed for the toll collection booths and central control for traffic.

PROJECTS

Analysis of emergency response services data to determine efficient positions of the response teams (pyspark, scala, Tableau, R)

- **Brief Description:** Analyzed data typically collected in fire response departments in NYC. Identified the most efficient positions for future response teams by analyzing the locations of previous incidents in a zip code using K-Means Algorithm. Then the results have been plotted using Google API and Tableau.

Twitter Bot Analysis - ***Machine Learning*** (python, Twitter RestAPI, pandas)

- **Brief Description:** Extracted features that help differentiate a bot from a normal user by creating a classifier algorithm using tweets and other characteristics like friends, frequency of tweets etc. This classifier achieved a 98% accuracy.
- **Kaggle:** https://inclass.kaggle.com/c/twitter-bot-classification/leaderboard/

Expert Recommendation System in Q&A Forums using Graph Theoretical Approach (python, NLP, Machine Learning, neo4j, flaskr)

- **Brief Description:** Created a recommendation algorithm that suggests user questions they can answer by identifying their domain of expertise whit the help of LDA and NMF algorithms on a dataset from Yahoo Answers. Neo4j was used to interpret the areas of expertise. The classifier had 92% accuracy.

Toxic Comment Classification Challenge - ***Machine Learning*** (python)

- **Brief Description:** Analyzed comments collected from Wikipedia's talk using Naive Bayes - Support Vector Machine create a strong baseline that can detect distinct types of toxicity like threats, obscenity, insults, and identity-based hate. The classifier achieved 98.3% accuracy.

Detection of Animals (Watson IBM,python, OpenCV)

- **Brief Description:** Created a classifier to help identify animals using a diverse set of images collected from ImageNet. The classifier achieved a 89% accuracy to detect lions, deers and rhinos.

Extracurricular Activities & Achievements

- Head of Computer Society of India, Chennai Region, April 2014 –May,2015.
- Coordinator and Co-founder of the Tech Knowledge Club, May 2014-May,2016.