

# ARNAV SHAH

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## EDUCATION

New York University, Tandon School of Engineering, New York, NY

**Master of Science, Computer Science**

May 2019

Relevant Coursework - Design and Analysis of Algorithms, Foundations of Data Science, Big Data, Machine Learning, Cloud Computing, DevOps.

Gujarat Technological University, LD College of Engineering, Gujarat, India

**Bachelor of Engineering, Information Technology**

June 2017

Relevant Coursework - Artificial Intelligence, Data Mining and Business Intelligence, Distributed Operating Systems.

## TECHNICAL SKILLS

**Languages:** Java, R, C, C++, SQL, Python, HTML5, CSS3, PHP, JavaScript

**Tools:** Kafka, Tableau, React, Git, GitHub, Docker

**Other:** Linux/ Unix, Windows 10, MongoDB, MySQL, NoSQL, Oracle, Data Structures

## EXPERIENCE

**Intern, AllocateRite LLC, New York, NY**

May 2018-Dec 2018

- Automated PDF generation of tearsheets which lists out the returns and various Statistics using Python, Report lab and Matplotlib which enabled much faster and efficient generation of tear sheets per month for the RIA's.
- Built a website using React, JavaScript, HTML, Bootstrap and CSS for the payment platform.

## PROJECTS

### NYC Parking Violations

- Developed MapReduce, Spark, SparkSQL jobs to explore NYC Parking Violations.

### Dining Concierge Chatbot

- Developed a Dining Concierge Chatbot that will email you restaurant suggestions given a set of preferences that you give the chatbot through conversation using Amazon S3, Lex, Cognito, DynamoDB, API Gateway, SQS, SNS, Yelp API and Lambda.

### Voice/NLP Controlled Photo Album

- Developed a Voice/NLP Controlled Photo Album using S3, API gateway, Lambda, Rekognition, Lex and Elasticsearch.

### 311 Service Request Data

- Performed predictive analysis for resolution time and time series analysis for forecasting the volume of complaints for 311 phone service. Calculated the yearly, weekly and daily seasonality of the time series data using Prophet model.
- Used Random Forest and Decision Tree classifiers for classification with appropriate evaluation metric for each model.

### Twitter Sentiment Analysis and Word Count

- Performed Real time fetching of sentiments using appropriate keywords from Twitter using various tools such as Flume, HDFS, Hive and Hue. Performed Word Count in a text file using Map reduce.

## CERTIFICATIONS

- Introduction to R, Python for Data Science by Microsoft
- Introduction to Cloud Computing by IEEE

## ACTIVITIES

**Volunteer, Cybersecurity Awareness Week 2017**, New York University

**Participant, AMA** (Personality Development and Effective Speaking workshop)

**Key Player, Cricket Tournament, Rajpath Club**