

ANIKET GIRIYALKAR

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Seeking Data Science
internship and co-op
opportunities. Available - May
2019

Skills

LANGUAGES

Python
Java
R
C/C++

DATABASE

SQL server
Oracle
MySQL
MongoDB
H2 Database Engine
Workbench

WEB DEVELOPMENT

HTML
CSS3
JavaScript
NodeJS
PHP

OPERATING SYSTEM

Windows
Linux
Mac OS

TOOLS

VMware
Rattle
Weka
Tableau
Matlab
Octave

SOURCE CONTROL

GitHub

ONLINE COURSES - CERTIFICATIONS

Machine Learning
Getting and Cleaning
Data
Big Data Modelling and
Management Systems
Data Scientist's Toolbox
Advanced Databases and
SQL Querying

Education

Rochester Institute of Technology

Master of Science in Computer Science(Expected Graduation Dec 2019)
GPA - 3.67/4

Relevant Coursework: Advanced Object-Oriented Programming, Computational Problem Solving, Foundations of Algorithms, Foundations of Computer Networks, Foundations of Computer Science Theory, Introduction to Big Data, Big Data Analytics, Foundations of Intelligent Systems, Database System Implementation

University of Mumbai, Mumbai, India

Bachelor of Engineering in Information Technology(Graduated 2016)
GPA - 7.5/10

Relevant Coursework: Data Structure and Algorithm Analysis, Advanced Database Management Systems, Data Mining and Business Intelligence, Intelligent Systems, Big Data Analytics, Storage Network Management and Retrieval, E-Commerce and E-Business, Cloud Computing

Aug. 2017 - Current

Aug. 2012 - Aug. 2016

Employment

Bhabha Atomic Research Center · Project Trainee · Mumbai, India

Oct. 2015 - Mar. 2016

Developed a location-based information system and acquired practical training in the Computer Division. This information system consisted of an Android application to dynamically report any traffic information and a Central Web Server to share it with other registered users.

Publication - Aniket Giriyaalkar, Khushboo Goyal. "Traffic Alert System using VANET", International Journal of Engineering Trends and Technology (IJETT), Volume 28, Oct 2015.

Projects

NYPD Motor Vehicle Collisions(Academic Project)

Nov. 2018 - Dec. 2018

Examined the Brooklyn borough in the months June and July to see that if anything actually changed in the last year? have any regions or areas gotten much worse, or much better? how did the patterns of traffic accidents change in the last year? how did the pattern of accidents stay the same? and came up with insights to improve safety next year. Tools Used: **Tableau, R, Python, Weka**

Wikipedia Language Classification(Academic Project)

Nov. 2018 - Dec. 2018

Collected random articles from Wikipedia in English and Dutch languages and trained some decision trees/ stumps using Decision Tree/ Adaboost algorithms and a set of features to classify text as one of the two languages. Accuracy of 96% was obtained on Decision Trees and about 98% accuracy was achieved while using boosted decision stumps. Language Used: **Python**

GPS Data Visualization and Convex Optimization (Academic Project)

Sept. 2018 - Oct. 2018

Created a program that converts GPS data into a KML file. Performed preprocessing on the given data and located the stop signs and left-hand turns in the data using temporal sequential analysis. Successfully predicted the optimal route using a cost function from a set of given routes. Tools and Languages Used: **Python, XML, Google Earth**

Big Data Analytics(Academic Project)

Aug. 2018 - Nov. 2018

- **Decision Tree:** Executed a program that writes another program which implements the decision tree to classify among cupcakes and muffins using the Gini Index. The accuracy on the test data was 96.72% and the accuracy on the validation data was 70.49%.
- **Agglomerative Clustering:** Cleaned the Supermarket data and performed agglomeration on it to identify different groups of guests.
- **Otsu's Method of Clustering:** Implemented 1D clustering on the GPS car tracking data and understood the nature of vehicle stops in each cluster obtained. Built a 1D classifier to maximize public safety & maximize trust for a data of vehicle speeds.

Orienteering (Academic Project)

Sept. 2018 - Oct. 2018

Generated optimal paths for different types of orienteering events for a given map with terrain information, elevation contours, and sequence of locations to visit. Used the A* algorithm for the computation. For a given set of controls, algorithm calculated the time taken to be 19 minutes which was approximately equal to the time it took me physically to cover the same set of controls at Mendons Ponds Park(Rochester, NY). Language Used: **Python**

Exploratory Analysis of European Soccer(Academic Project)

Feb. 2018 - May 2018

Pre-processed the dataset in **R/Rattle**. Performed predictive analysis in **Server SQL**, based on which teams were created for the Fantasy Premier leagues in selected European countries. The accuracy of this model was 78%.

Activities

Arsenal Navi Mumbai Thane Supporters Club · Founder and Core Committee member

A community for Arsenal supporters. Handled graphic designing and social media activity at the club.

Computer Society of India(CSI) · Student Member

Led and organized events like 'Gaming Garage', 'Beat the Clock' and 'Goalazzo' at Ramrao Adik Institute of Technology.