# ANIKET GIRIYALKAR

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## OBJECTIVE

Seeking Software Engineering full time opportunities. Available - June 2020

## TECHNICAL SKILLS

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|---|---|
| **Languages:** | Python, Java, R, C |
| **Tools/Technologies:** | Pandas, Jira, Tableau, Git, Rattle, Weka, Apache Tomcat, Octave, R Studio, Pentaho, Workbench, Amazon Web Services (Lambda, S3, API Gateway), VMware, SAS, Google Cloud Platform |
| **Database Systems:** | MySQL, MongoDB, Microsoft SQL Server, Amazon DynamoDB, H2Database |
| **Web Technologies:** | React, Redux, HTML, NodeJS, CSS, JavaScript, PHP, RESTful API |

## WORK EXPERIENCE

**Rochester Regional Health,** Rochester, New York                                    **Jun 2019 - Dec 2019**
*Software Engineering Co-op*
- Worked on the development of an application for scheduling and flotation of nurses working in Ambulatory care clinics.
- Created reusable components using React and Redux in a serverless web application to enhance the user experience.
- Responsible for adding new features to an existing application that is being used in the hospitals located in Rochester region.
- Created data reports and visualizations for the hospital representatives to provide them insights to make better decisions.
- Technologies: React, Redux, AWS DynamoDB, AWS Lambda, NodeJS, R, Python, Tableau

**Bhabha Atomic Research Centre,** Mumbai, India                                    **Oct 2015 - Mar 2016**
*Project Trainee*
- 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.
- Technologies: Java, HTML, CSS, PHP, JavaScript, Android Studio, SQL

## EDUCATION

**Rochester Institute of Technology, New York**                                    **Aug 2017 - May 2020**
Master of Science (MS) in Computer Science, GPA: 3.72/ 4.0
Relevant Coursework: Data Management and Analytics, Artificial Intelligence, Algorithms, Computer Networks, Visual Analytics.

**Mumbai University, India**                                    **Aug 2012 - May 2016**
Bachelor of Engineering (BE) in Information Technology (Graduated 2016) GPA: 7.5/10
Relevant Coursework: Intelligent Systems, Data Mining and Business Intelligence, Cloud Computing.

## CERTIFICATION

**Rochester Institute of Technology, New York**                                    **Aug 2017 - Dec 2019**
*Advanced Big Data Analytics, Master of Science*
Relevant Coursework: *Big Data Analytics, Data Cleaning and Preparation, Database Systems Implementation, Data Warehousing.*

## ACADEMIC PROJECTS

**SOCCER ANALYTICS (Capstone Project) | R, Pandas, Scikit-Learn, Matplotlib**                **Jan 2020 - Present**
- Assessed the best players for each position using the weighted average method and advanced soccer visualizations.
- Discovered various interesting strategies employed by different teams and evaluated their transformation over seasons.

**PRODUCT COMPANY DATAWAREHOUSE| MySQL, Pentaho, Microsoft SQL Server**                **Feb 2019 - Mar 2019**
- Designed a data warehouse and performed cleaning and transformations in Pentaho to apply business logic.
- Generated reports on different slices and dices to determine the efficiency of OLAP process and physical dimensions.
- Automated the whole ETL process and documented complex business rules vital for data transformation.

**WIKIPEDIA LANGUAGE CLASSIFICATION| Decision Trees, Scraping**                **Nov 2018 - Dec 2018**
- Collected random articles from Wikipedia in English and Dutch languages and trained the decision trees and stumps.
- Decision Tree and Adaboost algorithms along with a set of features were used to classify text as one of the two languages.
- Accuracy of 96% was obtained on Decision Trees and ~98% accuracy was achieved while using boosted decision stumps.

**GPS DATA VISUALIZATION AND CONVEX OPTIMIZATION| KML, Python**                **Sep 2018 - Nov 2018**
- Created a program that converts GPS data into a KML file and performed pre-processing on this data.
- Successfully predicted the optimal route and located the stop signs and left-hand turns using temporal sequential analysis.

**MARKET BASKET| NodeJS, MongoDB**                **Aug 2018 - Dec 2018**
- Developed a web application that manages the available items, authorized users and items in their unique market baskets.
- The application also provides a functionality to support user checkout and completing a transaction after product selection.