

# Aniket Giriyaalkar

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## SUMMARY

Masters in Computer Science degree student at Rochester Institute of Technology aspiring to specialize in Data Management. Actively seeking Co-op opportunities starting Spring 2019.

## EDUCATION

**Rochester Institute of Technology**, Rochester, NY, USA  
Masters in Computer Science (Expected Graduation- Dec 2019)  
**GPA - 3.67/4**

### Graduate Coursework:

- Advanced Object-Oriented Programming
- Computational Problem Solving
- Foundations of Algorithms

### Online Courses:

- The Data Scientist's Toolbox
- Introduction to Data Science in Python
- Algorithmic Toolbox

**Ramrao Adik Institute of Technology- University of Mumbai**, India  
Bachelors in Information Technology (Graduated- Aug 2016)  
**GPA - 7.5/10**

- Foundations of Computer Networks
- Foundations of Computer Science Theory
- Introduction to Big Data

- Big Data Analytics
- Foundations of Intelligent Systems
- Database System Implementation

- Introduction to Big Data
- Advanced Databases and SQL Querying
- Intro to Databases and SQL Querying

- VTC Online Training on Python

## TECHNICAL SKILLS

**Languages** : Python, Java, C, C++, R  
**Database** : SQL server, MySQL, Oracle 11g, MongoDB (NoSQL)  
**Web Development** : HTML5, CSS3, JavaScript, PHP  
**Operating System** : Windows, LINUX (Ubuntu, Red Hat)  
**Tools** : GitHub, phpMyAdmin, VMware, Drupal, XAMPP, Rattle, Weka

## PROJECTS

- **European Soccer Analysis** (RIT) Spring-2018  
The soccer database originally in SQLite format was migrated to **R/Rattle** to perform data cleaning, transformation, and visualization. Database was then migrated to **Server SQL** to perform predictive analysis based on which teams were created for the Fantasy Premier leagues in selected European countries.
- **ARP Spoof Detection Algorithm Using ICMP Protocol** (RIT) Spring-2018  
Successfully executed IEEE paper publication "[ARP Spoof Detection Algorithm Using ICMP Protocol](#)". Corrected shortcomings in the author's implementation. Language, packages and tools used: **VMware, Scapy, Python, Wireshark, dsniff**
- **Reliable Data Transfer Protocol** (RIT) Spring-2018  
Developed a Web server capable of processing Client Request. Executed a bit alternating stop and wait Reliable Data Transfer Protocol(rdt3.0). This protocol handles packet loss with the help of a countdown timer. Language Used - **Python**.
- **Advanced Object-Oriented Programming**(RIT) Fall-2017  
Designed the Hangman, 3-D Maze, Vanishing of the Trolls games. Performed Client-Server, Network and Remote Method Invocation Programming. Language Used - **Java**.
- **Computational Problem-Solving**(RIT) Fall-2017  
Implemented the projects Secret Messages Transformer, Shish Kebab, Gene Tester, Hash Function Evaluation, and PreTee Interpreter. Language Used - **Python**.
- **Arcade Game** - (Internshala Certified Python Training Course) 2015  
The game was built using **Python**. Tests were conducted to verify the proper running of the game.

## EXPERIENCE

- Bhabha Atomic Research Center**, Mumbai, India - **Project Trainee** Oct 2015-Mar 2016
- Acquired practical training in Computer Division and developed a location-based information system for this project. This information system contained An Android Application to report any traffic information and a Central Web Server to share it with other registered users.
  - **Traffic Alert system** (Outhouse Undergrad Final Year Project) 2015-16  
Created an application which dynamically updated information on a website based on specific inputs from the users.  
Languages Used: **Java**, HTML, CSS, JavaScript  
**Publication:**
    - Aniket Giriyaalkar, Khushboo Goyal. "[Traffic Alert System using VANET](#)", **International Journal of Engineering Trends and Technology** (IJETT), Volume 28, Oct 2015.

## EXTRACURRICULAR ACTIVITIES

- Arsenal Navi Mumbai Thane Supporters Club 2016-2017  
Founder and Core Committee member.
- Student Member - Computer Society of India(CSI) 2013-2016  
Led and organized events like 'Gaming Garage', 'Beat the Clock' and 'Goalazzo' at Ramrao Adik Institute of Technology.
- Participated in 'Food Distribution Drive' conducted by Robin Hood Army NGO in a mission to feed 100k homeless kids across India and Pakistan on 15<sup>th</sup> August, 2015.