Aniket Giriyalkar

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SUMMARY

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

EDUCATION

Rochester Institute of Technology,
Rochester, NY, USA   **Masters in Computer Science**

(Graduation Due) **August 2019**
GPA 3.67/4

Ramrao Adik Institute of Technology (RAIT) - University of Mumbai,
Mumbai, India   **Bachelors in Information Technology**

(Graduated) **May 2016**
GPA 7.5/10

Coursework: Advanced Object-Oriented Programming Concepts, 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

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)
Source Control	: GitHub
Tools	: phpMyAdmin, VMware, Drupal, XAMPP, Microsoft Office, Rattle, Latex, Weka
Certifications	: Algorithmic Toolbox, Introduction to Big Data, Introduction to Data Science in Python, The Data Scientist's Toolbox, Advanced Databases and SQL Querying, Introduction to Databases and SQL Querying, VTC Online Training on Python

PROJECTS

- **ARP Spoof Detection Algorithm Using ICMP Protocol**   Spring-2018
  Successfully implemented the IEEE paper publication "ARP Spoof Detection Algorithm Using ICMP Protocol". Found shortcomings in the author's implementation of this paper and corrected them
  Language, packages and tools used: **VMware, Scapy, Python, Wireshark, dsniff**

- **Reliable Data Transfer Protocol**   Spring-2018
  Developed a Web server capable of processing Client Request. Implemented 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**.

- **European Soccer Analysis**   Spring-2018
  The soccer database originally in SQLite format was migrated to **R/Rattle** to perform data cleaning, transformation, and visualization. This database was then migrated to **Server SQL** to perform

predictive analysis which resulted in fascinating outcomes. The insights obtained from the predictive analysis were used in selecting teams for the Fantasy Premier leagues of selected countries.

- **Advanced Object-Oriented Programming**   Fall-2017
  Designed the Hangman, 3-D Maze, Vanishing of the Trolls games. Performed Network Programming and Remote Method Invocation programming. Language Used - **JAVA**.

- **Computational Problem-Solving**   Fall-2017

  Developed the Secret Messages Transformer, Shish Kebab, Gene Tester, Hash Function Evaluation, and PreTee Interpreter. Language Used - **Python**.

- **Traffic Alert system**:   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 Giriyalkar, Khushboo Goyal. "Traffic Alert System using VANET", **International Journal of Engineering Trends and Technology** (IJETT), Volume 28, Oct 2015.

  Work Experience:
  Bhabha Atomic Research Center (BARC- A Nuclear Facility), Mumbai, India   Oct 2015-Mar 2016
  - Acquired practical training in Computer Division (of BARC) 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.

- **Arcade Game** - Internshala Certified Python Training   2015
  The game was built using **Python3**. Tests were conducted to verify the proper running of the game.

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 RAIT.

- Participated in 'Food Distribution Drive' conducted by Robin Hood Army NGO in a mission to feed 100k homeless kids across India and Pakistan on 15th August,2015.