**Sahil Ajmera**

+1(646)571-9799 | [sa7810@rit.edu | https://www.linkedin.com/in/sahil-ajmera-b6144092/](mailto:sa7810@rit.edu%20|%20https://www.linkedin.com/in/sahil-ajmera-b6144092/) | <https://github.com/Sahil-Ajmera>

CAREER SUMMARY

Second year computer science graduate student looking for full-time opportunities in the field of Software Development. Available-December 2019

EDUCATION

**Rochester Institute of Technology,** Rochester, New York Expected December 2019

Master of Science in Computer Science GPA: 3.96 / 4.0

**Relevant Coursework**: Data Structures, Foundations of Algorithms, Introduction To Big Data, Foundations of Intelligent Systems, Introduction to Computing Security, Advanced Database Systems , Information Retrieval and Text Analytics

**Manipal Institute of Technology**, Manipal, Karnataka, India Earned 2017

Bachelor of Technology in Computer Science

SKILLS

**Certifications:** Oracle Certified Professional JAVA SE6 Programmer, Microsoft Tech Associate for Cloud Fundamentals

**Languages:** Java, Python, C#, R, MATLAB, Octave, SQL, Prolog, HTML, CSS, JavaScript

**Operating Systems:** Windows, Linux

**Frameworks:** ASP.NET, ADO.NET, Qt

**Orchestration Technologies**: Juju Charms, Ansible Playbooks

EXPERIENCE

**Lenovo** **Data Center Group** Morrisville, North Carolina Software Development Co-op August 2018 - Present

• Added features to Lenovo’s RHHI offering by leading efforts on instantiation, configuration and validation of platforms like CloudForms, ManageIQ and Gitlab.

• Implemented Runtime validations for Lenovo’s RHHI offering.

• Redesigned the team's project structure on Git to improve readability, introduce necessary distinctions between VM Creation and actual appliance installation, configuration and validation etc.

• Created a desktop application using Qt framework and implemented communications to a remote IoT device broker using MQTT messaging protocols.

• Technologies used - Juju Charms, Linux, MQTT, PySide, Red Hat Products -Red Hat Satellite, RHVM, RHEL, CloudForms, ManageIQ, Ansible Playbooks, Ansible Tower.

**American Institutes For Research** Washington, District of Columbia

Software Engineer Intern May 2018 – August 2018

• Implemented new functionality by which statistics of items can also be printed while trying to make a ‘Custom Pdf Report’.

• Diagnosed bugs and implemented new features as per client requirements.

• Decreased the time that will take in later development operations by documenting existing code.

• Reduced the time taken to test the Assessment platform for issues by working with QA team during downtime.

• Technologies Used: ASP.NET, ADO.NET, C#, SQL, HTML, CSS, JavaScript, Ajax

PROJECTS

***Gender recognition: Technique using PCA and GA*** January 2017 - April 2017

• Achieved a 6% accuracy improvement over traditional gender recognition technique on the FERET dataset.

• Technologies Used: Python, MATLAB, WEKA

**College website for ease of submission of student details to NBA** February 2016 - April 2016

• Built a website for ease of storage of information by the college to be presented to National Board of Accreditation.

• Technologies Used: HTML, CSS, jQuery, JavaScript, J2EE, MySQL

***Variations of K-Means: Removing Randomness of Initial Centroids*** October 2015

• Improved efficiency of K-Means by resolving issue of random initial centroids using UCI Bank Marketing dataset.

• Technologies Used: Java