**Sahil Ajmera**

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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

**Programming Languages:** Python, Java, C#

**Relational Database Management Systems**: SQL, MySQL, SQL Server, Oracle 11g

**Web Development**: HTML, CSS, JavaScript, .NET, Materialize

**Desktop Application Development:** Qt

**Operating Systems:** Windows, Linux

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

**Source Control:** Git

**Operating Systems:** Windows, Linux

EXPERIENCE

**Lenovo** Morrisville, North Carolina Software Development Co-op – Data Center Group 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.

• Created a desktop application for ForkLift operators that gives information about the load they are carrying and the lane they are carrying that load to. (Presented at MWC - 2019)

• Technologies used – Python, Juju Charms, Qt, MQTT, Red Hat Satellite, RHVM, RHEL, CloudForms, ManageIQ, Ansible.

**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: C#, .NET, HTML, CSS, JavaScript, Ajax, SQL, SQL Server

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 providing a resolution to the issue of random initial centroids using UCI Bank Marketing dataset.

• Technologies Used: Java