

# 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.  
Graduating – 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#

**Querying Languages:** SQL

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

**Web Development:** HTML, CSS, JavaScript, ASP.NET, ADO.NET

**Desktop Application Development:** Qt

**Messaging Protocols:** MQTT

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

**Integrated Development Environments:** Netbeans, IntelliJ IDEA, Pycharm, Visual Studio, Qt Creator

**Operating Systems:** Windows, Linux

## EXPERIENCE

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

- Added to Lenovo's RHHI offering by leading efforts on instantiation, configuration and validation of platforms like CloudForms, ManageIQ and Gitlab.
- 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, 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: C#, ASP.NET, ADO.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