

Rajeev Joshi

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EDUCATION

New York University, New York USA	May 2019
Master of Science in Computer Science	GPA: 3.9/4.0
Maharaja Agrasen Institute of Technology, Delhi India	Jul 2017
Bachelor of Technology in Computer Science & Engineering	GPA: 69.37/100

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, C, SQL, XML, HTML, CSS, PHP, JavaScript, Bash Scripting.
Softwares/Tools: Docker, Hadoop, Git, Node.js, OpenCV, Eclipse, Netbeans, Selenium, ~~TeX~~TeX, Android Studio.
Courses: Information Security and Privacy, Computer Networking, Network Security, Programming with Big Data, Introduction to Operating System, Design and Analysis of Algorithms.
Big Data: Spark, Pig-latin, Hadoop, Map-Reduce, HDFS, Scala, Hive.

EXPERIENCE

Summer Intern , Miracle Technologies, Noida, India	Jul – Aug 2016
<ul style="list-style-type: none">• Worked as a software tester on a live project called Auditonline which is an online platform for providing transparent audit process of both internal and external government departments.• Designed and developed test cases for automating testing and validation of various webpages and forms using selenium integration in different browsers.• <i>Technologies:</i> Selenium WebDriver, Firebug, Eclipse.	
Software Development Intern , Netcomm Enterprises, Delhi, India	Jul – Aug 2015
<ul style="list-style-type: none">• Worked as a software developer on an ongoing project Medical Store Database Management System.• Added functionalities to the software including methods to Add, Delete or Update medicine records.• Implemented a user authentication system and an admin service to create new employee accounts.• <i>Technologies:</i> Java, MySQL, NetBeans.	

ACADEMIC PROJECTS

Rating Movies and Predicting Movie Ratings 🌐	May 2018
<ul style="list-style-type: none">• Designed a model to rate movies based on IMDB ratings and user tweets by doing Twitter Sentiment Analysis.• Built a model to accurately predict movie ratings based on several key features using IMDB dataset.• <i>Technologies:</i> Zeppelin, Jupyter, Spark, Twitter API, Google Cloud, Text Blob, Python, HTML, CSS, JavaScript.	
Feed A Homeless (HackNYU - Hackaton 2018) 🌐	Mar 2018
<ul style="list-style-type: none">• Developed a web based application to seamlessly locate homeless people in your proximity on Google maps.• Implemented a user friendly two click mechanism to mark location of homeless people onto the map.• <i>Technologies:</i> HTML5, CSS3, JavaScript, PHP, Google Cloud SQL, Google App Engine.	
Network Redesign Model (Vita Pharma)	Dec 2017
<ul style="list-style-type: none">• Designed an IPv4 subnetting scheme and a LAN architecture to efficiently utilize allocated bandwidth.• Designed security mechanisms to isolate network resources, provide Data and Communication safety.• <i>Technologies:</i> TCP/IP, VPN, Citrix/VDI, OSPF, BGP, IPv4.	
PACT (Password Analysis and Cracking Tool) 🌐	Sep 2017
<ul style="list-style-type: none">• Developed an efficient tool to perform Cryptanalysis of password hashes and reverse them back to plaintext.• Implemented a variety of attacks including dictionary, combinator, Mask and Rule-based attacks.• <i>Technologies:</i> Python, Eclipse, PyDev.	
OMR Reader Application for Android Platform	May 2017
<ul style="list-style-type: none">• Developed an android application to compare student answer sheets with stored reference answer sheet.• Used OpenCV for key point detection and extraction : FAST detector and SURF extractor were found to be optimal for the use case and FLANN matcher was used for answer sheet matching.• <i>Technologies:</i> OpenCV, Java, Android Studio.	

EXTRA CURRICULAR

- Demoed at the HackNY Hackathon and HackNYU Hackathons organized by Major League Hacking.
- IT Volunteer at College Festival : Developed a website for college festival.
- Volunteer for blood donation camp in college.