

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
- 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.
 - *Technologies:* Selenium WebDriver, Firebug, Eclipse.
- Software Development Intern**, Netcomm Enterprises, Delhi, India Jul – Aug 2015
- 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.
 - *Technologies:* Java, MySQL, NetBeans.

ACADEMIC PROJECTS

- Rating Movies and Predicting Movie Ratings** 🌐 May 2018
- 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.
 - *Technologies:* Zeppelin, Jupyter, Spark, Twitter API, Google Cloud, Text Blob, Python, HTML, CSS, JavaScript.
- Feed A Homeless (HackNYU - Hackaton 2018)** 🌐 Mar 2018
- 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.
 - *Technologies:* HTML5, CSS3, JavaScript, PHP, Google Cloud SQL, Google App Engine.
- Network Redesign Model (Vita Pharma)** Dec 2017
- 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.
 - *Technologies:* TCP/IP, VPN, Citrix/VDI, OSPF, BGP, IPv4.
- PACT (Password Analysis and Cracking Tool)** 🌐 Sep 2017
- 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.
 - *Technologies:* Python, Eclipse, PyDev.
- OMR Reader Application for Android Platform** May 2017
- 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.
 - *Technologies:* 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.