

Rajeev Joshi

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EDUCATION

New York University, New York USA	May 2019
Master of Science in Computer Science	GPA: 3.95/4.0
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, JavaScript, C, SQL, HTML, CSS, PHP, Bash Scripting.

Softwares/Tools: Web2py, OpenCV, Docker, Hadoop, Git, Jira, Selenium, \LaTeX , Android Studio.

Big Data: Spark, Pig-latin, Hadoop, Map-Reduce, HDFS, Scala, Hive.

Courses: Information Security and Privacy, Computer Networking, Network Security, Programming with Big Data, Introduction to Operating System, Design and Analysis of Algorithms.

EXPERIENCE

- Software Intern (R&D)**, BotFactory Inc, New York City, USA Jun – Aug 2018
- Developed computer vision algorithms using OpenCV to improve the accuracy of the Pick-n-Place Head.
 - Designed (UX/UI) a critical webpage for a new feature implementation in the next version of the product.
 - Migrated Instruction set of hardware abstraction layer for the previous model to the latest software architecture .
 - *Technologies:* Web2py, OpenCV, Git, Linux, JavaScript, Jira.
- Summer Intern**, Miracle Technologies, Noida, India Jul – Aug 2016
- Developed unit and integration tests to verify and validate proper functioning of various modules.
 - Wrote various automation scripts to verify and document cross browser support for the application.
 - *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.
 - Implemented features like user authentication, an admin service and different ways to handle medicine records .
 - *Technologies:* Java, MySQL, NetBeans.

ACADEMIC PROJECTS

- Pill Detect (Social Good Hackathon - Capgemini)** 🌐 Aug 2018
- Aimed to educate people about the medication pill, in-case of lost prescription or torn off bottle label.
 - Designed a user-friendly WebApp to capture the image of a pill and get the name and other relevant information.
 - Employed AWS API for imprint extraction and OpenCV to get the shape and color of the pill from the image.
 - *Technologies:* AWS Rekognition API & S3-Bucket, Flask, OpenCV, Pandas, Python, Spark, JavaScript.
- 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:* Spark, Twitter API, Google Cloud, Text Blob, Zeppelin, Jupyter, 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:* Google Cloud SQL, Google App Engine, HTML5, CSS3, JavaScript, PHP
- 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

- Hackathon Demos at Social Good Hackathon - Capgemini, HackNY and HackNYU - MLH .
- NYU 2018 Commencement Volunteer.
- Volunteer for blood donation camp in college.