

Rajeev Joshi

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EDUCATION

New York University, New York USA	May 2019
Master of Science in Computer Science	GPA: 3.781/4.0
Academic Achievement Award	Nov 2018
• Teaching Assistant for Introduction to Operating Systems CS-GY 6233.	Fall 2018, Spring 2019
• Teaching Assistant for Information Security and Privacy CS-GY 6813.	Fall 2018
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, Git, Docker, Hadoop, Jira, Selenium, ~~TeX~~, Android Studio.
Big Data: Spark, Pig-latin, Hadoop, Map-Reduce, HDFS, Scala, Hive.

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.	
• <i>Technologies:</i> Web2py, OpenCV, Git, Linux, JavaScript, Jira.	
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.	
• <i>Technologies:</i> Java, MySQL, NetBeans.	

ACADEMIC PROJECTS

CodeJudger	Feb 2019
• An In-house tool for professors to allow real-time in class coding test for students. 🌐	
• Developed using the DevOps/Agile methodology of Continuous Integration/ Continuous Deployment. 🌐	
• <i>Technologies:</i> Docker-compose, Travis CI, CodeIgniter PHP framework, Github.	
Computer Vision Projects	Aug 2018
• Human Detector - A 2-layer Perceptron that uses an HOG vector to find Humans in a 2D color picture. 🌐	
• Canny Edge Detector - Implementation of a Canny Edge Detector including all four steps i.e. Gaussian Smoothing, Gradient operation, Non-Maxima suppression and Thresholding. 🌐	
• <i>Technologies:</i> Python.	
NutriMeter 🌐	Aug 2018
• A Cloud based WebApp to help users track their calorie intake along with several other nutrients.	
• Each user gets their own personalized food and recipe suggestions based on their dietary restrictions.	
• Users can also interact with a chat bot to ask for various recipes and places nearby for a particular cuisine.	
• <i>Technologies:</i> AWS - API Gateway, Lambda, Rekognition, Cognito, SES, SNS, Lex, S3 & DynamoDB, Python.	
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.	
• <i>Technologies:</i> 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.	
• <i>Technologies:</i> Spark, Twitter API, Google Cloud, Text Blob, Zeppelin, Jupyter, Python, HTML, CSS, JavaScript.	
Feed A Homeless (HackNYU - Hackathon 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.	
• <i>Technologies:</i> Google Cloud SQL, Google App Engine, HTML5, CSS3, JavaScript, PHP	

EXTRA CURRICULAR

- Demoed at Capgemini - Social Good Hackathon, HackNY Spring 2018, HackNY Fall 2018 and HackNYU 2018.
- NYU 2018 Commencement Volunteer.