

# Moonis Javed

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<https://github.com/monisjaved>

## EDUCATION

- University at Buffalo** Buffalo, NY  
*Master of Science in Computer Science; GPA: 3.67* Aug. 2016 – Present
- Jamia Millia Islamia** New Delhi, India  
*Bachelor of Technology in Computer Science; GPA: 8.35/10.0* Jul. 2011 – May. 2015

## PROGRAMMING SKILLS

Skills	Adept	Working Knowledge
Languages	Python, Java	C, C++, R, Matlab
Operating Systems	Linux, OSX, Redhat, CentOS	Windows
Cloud And Others	AWS, Google Cloud, Spark	Hadoop
Databases	MySQL, MongoDB, SQLite	ElasticSearch

## EXPERIENCE

- Graduate Assistant** Buffalo, NY  
*University at Buffalo Information Security Office* Jan 2017 - Present
  - Network Monitor and Visualization:** Working on building a centralized monitoring and visualization tool to monitor university network flow. (**ElasticSearch, Kibana and Logstash**)
  - Malicious Activity Detection:** Creating a machine learning to detect malicious activity on the network. (**Python, Bro, Ntopng, Machine Learning**)
- Software Engineer** Bangalore, India  
*Tracxn* Mar 2016 - May 2016
  - Domain Crawling Architecture:** Created Independent architecture to discover start-ups from the newly registered/deleted/expired domains, (**Java, MongoDB, Web Crawling, NLP**)
  - Social Media Data Mining Architecture:** Created Data Mining Models to crawl and aggregate start-up information from multiple online social media platforms. (**Java, MongoDB, MySQL, Apache Kafka**)
  - Query Optimization:** Optimized database using aggregations queries to large data efficiently. (**MongoDB**)
- Decision Scientist** Noida, India  
*Innovaccer* Jul 2015 - Feb 2016
  - Retail Analytics:** Created retail analytics dashboards to measure ecommerce performance as a measure of their customers tweets. (**Python, Twitter API, Facebook API, MongoDB, NLP, Machine Learning**)
- Google Summer of Code Student Developer** New Delhi, India  
*CERN* Apr 2014 - Oct 2014
  - SixDeskDB:** Worked on creating a library to store and manage massive Sixtrack Simulations using a centralized and localized database approach. (**Python, MySQL, SQLite, Sixtrack**)

## PUBLICATIONS

- "A Novel Method for Seizure Detection in Intracranial EEG Recordings"**: IEEE CICC 2015
- "Classification of Web Pages as Evergreen Or Ephemeral Based on Content"**: IEEE CICC 2015

## PROJECTS

- Recurrent Convolutional Neural Network:** Recurrent Convolutional Neural Network for classification of semi-structured text like tweets. (**Python, Twitter API, Tensorflow**)
- Question Answering System:** QA system based on tweet data. Used NLP to extract entity relations which are mainly used. (**Python, JavaScript, NLP, Apache Solr, Twitter API, Flask**)
- OCR for Hindi Language:** Developed an OCR for Hindi language using Neural Network. (**Python, Neural Network, Scikit**)
- Classification of Web Pages on Content:** Simple Classifier to classify life of web pages as ephemeral or evergreen based on their content. Based on Kaggle StumbleUpon Challenge. (**Python, Scikit Learn, Numpy**)
- Job Domain Classifier:** Created a simple classifier to recognize domain of a job listing based on the job description. (**Python, Machine Learning, Scikit**)
- Recommender Engine:** Created a simple recommender engine of various e-commerce products using neighbourhood model to provide similarity. (**Python, Numpy, MongoDB**)