

# Moonis Javed

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## EDUCATION

- University at Buffalo** Buffalo, NY  
*Master of Science in Computer Science; GPA: 3.58* Expected Dec 2017
- Jamia Millia Islamia** New Delhi, India  
*Bachelor of Technology in Computer Science; GPA: 3.74* Graduated 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 real-time university network flow. (**ElasticSearch, Kibana, Logstash, Nginx**)
  - 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 at ~1 Million Domains/day (**Java, MongoDB, Web Crawling, NLP, Selenium**)
  - 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 saving ~60% space for each simulation (**Python, MySQL, SQLite, Sixtrack**) Link: [Github](#)

## 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

- Football Analytics:** Visualized some interesting analytics on football players using their tweets. (**Python, NLP, MongoDB, Twitter API, Angular.JS, D3.JS, Flask**) Link: [Website](#)
- Question Answering System:** Implemented a QA system based on tweet data. Used NLP to extract entity relations which are mainly used. (**Python, JavaScript, NLP, Apache Solr, Twitter API, Flask**) Link: [Website](#)
- OCR for Hindi Language:** Used Neural Networks to develop an OCR for Hindi language with 88.5% accuracy. (**Python, Neural Network, Scikit**) Link: [Thesis](#)
- Simple DynamoDB based Android Messenger:** Developed a simple Android Messenger based on DynamoDB principle with fault tolerance and crash recovery, (**Java, Android, SQLite, Sockets**) Link: [Github](#)
- Recurrent Convolution Neural Network:** Used a recurrent convolutional neural network to classify tweets with 70% accuracy. (**Python, Neural Network, Machine Learning, Scikit**) Link: [Github](#)
- Large Scale Text Processing Using Hadoop:** Performed large scale text processing using Apache Hadoop MapReduce along with Python (**Java, Apache Hadoop, R**) Link: [Github](#)