

Moonis Javed

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EDUCATION

- University at Buffalo** Buffalo, NY
Master of Science in Computer Science; GPA: 3.58 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 realtime 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 at ~1 Million Domains/day (**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 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, AngularJS, D3JS, 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](#)
- Large Scale Text Processing Using Spark:** Performed large scale text processing using Apache Spark MapReduce along with Python (**Python, Apache Spark, R**) Link: [Github](#)
- Large Scale Text Processing with Hadoop MapReduce:** Performed large scale text processing using Hadoop MapReduce along with Python, (**Python, Apache Hadoop, R**) 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](#)
- OCR for Hindi Language:** Used Neural Networks to develop an OCR for Hindi language with 88.5% accuracy. (**Python, Neural Network, Scikit**) Link: [Thesis](#)