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 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 CICN 2015
- ”Classification of Web Pages as Evergreen Or Ephemeral Based on Content”: IEEE CICN 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
- **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
- **Data Analytics on R**: Performed simple data analytics for better learning and understanding. (**R, Jupyter**) Link: Github