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
Storage	MySQL, MongoDB, SQLite	ElasticSearch, Amazon S3

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, AWS, S3**)
- **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, AWS, S3**)
- **Query Optimization**: Optimized database using aggregations queries to large data efficiently. (**MongoDB**)

Data 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**)

Student Developer
Google *Apr 2014 - Oct 2014*

- **SixDeskDB**: Worked for CERN SFT 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 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**
- **Clustering Gene Data**: Applied various clustering methods like KMeans, Hierarchical, DBSCAN and parallel KMeans using Hadoop to cluster gene data. (**Python, Numpy, Scikit**) Link: **Github**