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 CICN 2015
- **"Classification of Web Pages as Evergreen Or Ephemeral Based on Content"**: IEEE CICN 2015

Projects

- **Recurrent Convolution Neural Network**: Used a recurrent convolutional neural network to classify tweets with 70% accuracy. (**Python, Neural Network, Machine Learning, Scikit**) Link: **Github**
- **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**
- **Classification of Web Pages on Content**: Code a simple classifier to classify life of web pages as ephemeral or evergreen based on their content with 86.89% accuracy. Based on Kaggle StumbleUpon Challenge. (**Python, Scikit Learn, Numpy**) Link: **Github**
- **Job Domain Classifier**: Created a simple classifier to recognize domain of a job listing based on the job description with 81.4% accuracy. (**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**)