

# Moonis Javed

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## EDUCATION

### UNIVERSITY AT BUFFALO

#### MS IN COMPUTER SCIENCE

Expected Dec 2017 | Buffalo, NY

Cum. GPA: 3.67

### JAMIA MILLIA ISLAMIA

#### BTECH IN COMPUTER ENGINEERING

Graduated May 2015 | New Delhi, India

Cum. GPA: 8.35

## LINKS

Github:// [monisjaved](#)

LinkedIn:// [moonisjaved](#)

IEEE Xplore:// [Moonis Javed](#)

Google+:// [+MonisJaved](#)

## COURSEWORK

### GRADUATE

Algorithms Analysis and Design

Computer Security

Information Retrieval

Robotics Algorithms

Distributed Systems

Machine Learning

Data Intensive Computing

Operating System

Data Mining and Bioinformatics

### UNDERGRADUATE

Data Mining

Distributed Systems

Soft Computing Techniques

Computer Architecture

Database Systems

Computer Networks

## SKILLS

### PROGRAMMING

• C • C++ • JAVA

• Python • R

### QUERY LANGUAGE AND OTHERS

• SQL • Amazon AWS

• Google Cloud Engine • Latex

• Hadoop • Spark • SQLite

### VERSION CONTROLLING SYSTEM

• Git • GitLab • GitHub

### OPERATING SYSTEMS

• Ubuntu • Mac OSX • Windows

• CentOS • RedHat

## EXPERIENCE

### UNIVERSITY AT BUFFALO INFORMATION SECURITY OFFICE

#### GRADUATE STUDENT ASSISTANT

Jan 2017 - Present | Buffalo, NY | Python, ElasticSearch, Kibana, Logstash, Bro,

NTopNG, Big Data

- Network flow visualization and intrusion detection using Machine Learning Models.

### TRACXN TECHNOLOGIES PVT. LTD. | SOFTWARE ENGINEER

March 2016 – May 2016 | Bangalore, India | Java, Javascript, MongoDB,

MySQL, Kafka, AWS, S3

- Created independent crawling system to keep track of new domains being registered, deleted and updated. Fetched approx. 1 Million new domains in a matter of minutes.

### INNOVACER ANALYTICS PVT. LTD. | DECISION SCIENTIST

July 2015 – Feb 2016 | Noida, India | Python, JAVA, MongoDB, AWS, Javascript

- Used Data Mining along with Natural Language Processing & Machine Learning Algorithms to create decision based systems for clients.

### CERN

#### GOOGLE SUMMER OF CODE 2014 SOFTWARE DEVELOPER INTERN

May 2014 – Sep 2014 | Python, MongoDB, MySQL, Shell

- Developed a SixDesk library in Python to manage SixTrack [Massive 6d] Simulations using local client database (SQLite) and a centralized database (MySQL) replacing the existing shared filesystem mechanism (OpenAFS)

## PROJECTS

- **QUESTION ANSWERING SYSTEM BASED ON TWITTER DATA** (PYTHON, APACHE SOLR, JAVASCRIPT, JQUERY, AJAX, HTML, CSS)

Developed a Question Answering System based on Twitter Data. Used natural language processing to extract relations which are used to answer questions. <http://www.aneeshbhatnagar.com/n-quire/>

- **FOOTBALL ANALYTICS ON PLAYER TWEETS** (PYTHON, MONGODB, D3.JS, ANGULAR.JS, API DESIGN)

Developed a web dashboard to visualize various analytics using d3 and angular. The data used was fetched from twitter for various players using Python and stored and processed in MongoDB for aggregation. The site is live and can be checked at <http://ec2-35-162-247-114.us-west-2.compute.amazonaws.com/football/>

- **OPTICAL CHARACTER RECOGNITION FOR HINDI LANGUAGE USING NEURAL NETWORK** (PYTHON, PYBRAIN)

Developed an Optical Character Recognition for Hindi language using back-propagation neural network

- **SIMPLE DYNAMODB USING DISTRIBUTED HASHTABLE** (ANDROID, JAVA, SOCKET PROGRAMMING, DISTRIBUTED SYSTEMS)

Developed a fault tolerant replicated simple DynamoDB using distributed hash-tables concept on android as a part of Distributed Systems course. The system can recover and synchronize on faults and provides linearizability.

- **DATA ANALYTICS ON JUPYTER** (R ON JUPYTER)

<https://github.com/monisjaved/Data-Analytics-using-Dplyr-Package>