

AKASH SINGH

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EXPERIENCE

Software Engineer Intern	Bloomberg LP , New York, NY	May 2017 – Present
<ul style="list-style-type: none">▪ Adding enhancements to display realtime updates in data visualization charts using C++ and JavaScript▪ Integrating smart search mechanism which translates human language based text to SOLR queries		
Software Intern	Nvidia , Santa Clara, CA	May 2016 – Jan 2017
<ul style="list-style-type: none">▪ Initiated use of Machine Learning in team and used regression to predict build time of jobs on servers▪ Performed analytics using Kibana and MapReduce on Nvidia servers' data for infrastructure improvement▪ Architected end-to-end data aggregation pipeline using Kafka, Logstash, Elasticsearch in AWS Direct Connect		
Associate Software Engineer	ACI Worldwide , Pune, India	Jul 2013 – Aug 2015
<ul style="list-style-type: none">▪ Developed Java solutions to facilitate Electronics Funds Transfers based on ISO 8583 protocol▪ Received 5 appreciation awards for my work in software development and L3 Support management		

PROJECTS

Text Summarization	Python, Tensorflow	Jan – May 2017
<ul style="list-style-type: none">▪ Employed Tensorflow to build a NeuralNet trained on Gigaword dataset which generates summaries for text		
Online News Popularity	R	Jan – May 2017
<ul style="list-style-type: none">▪ Implemented machine learning algorithms to classify given news as popular/unpopular (UCI Dataset used)▪ Compared results between Logistic Regression, SVM, Neural Network, Random Forest algorithms		
MapReduce Framework	Java, AWS, TCP/IP, Bash	Mar – May 2016
<ul style="list-style-type: none">▪ Developed MapReduce framework with streamlined API which runs MapReduce jobs on AWS EC2 instances		
Airlines Data Analysis	Java, R, AWS, Hadoop, Spark, MLib	Jan – Apr 2016
<ul style="list-style-type: none">▪ Applied linear & logistic regression models to find distance - ticket price relation using airlines data▪ Predicted flight delays by applying random forest algorithm and naïve bayes classifier▪ Implemented the fastest solution to find missed flight connections of past 27 years in a class of 100 students		
Hybrid Cloud Services	Java, AWS, Spark, MLib, Twitter API	Jan – Apr 2016
<ul style="list-style-type: none">▪ Utilized data tagging mechanism on live twitter feed to segregate them into public and private clouds▪ Analyzed twitter data using MapReduce and Spark in a hybrid cloud model to find and predict usage patterns		

EDUCATION

Northeastern University , Boston	May 2017
Master of Science in Computer Science	GPA: 3.75
<u>Courses:</u> Machine Learning, Natural Language Processing, MapReduce, Cloud Computing, Web Development	
University of Pune , Pune, India	May 2013
Bachelor of Engineering in Information Technology	GPA: 3.83

SKILLS

Programming Languages:	Java, Python, R, Scala, C, C++
Frameworks:	Tensorflow, MLib, scikit-learn, Hadoop, MapReduce, Spark, Hive, MVC, Maven
Web Development:	JavaScript, Express, AngularJS, Node.js, HTML, CSS, XML, Bootstrap, JQuery, JSON
Databases:	Oracle, MongoDB, SQL Server, DB2, MySQL, PostgreSQL, Cassandra
AWS:	EC2, S3, VPC, ELB, Direct Connect, Route 53, AMI, IAM, CloudWatch
Others:	Perforce, Git, Elasticsearch, Logstash, Kibana, Kafka, Redis, SOLR, Heroku, JIRA