





AKASH SINGH

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EXPERIENCE

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|---|------------------------------------|---------------------|
| Google , Mountain View, CA | Software Engineer | July 2017 – Present |
| <ul style="list-style-type: none">Working on internationalization for Google Assistant modules to annotate and read text in different languagesDeveloping modules to annotate text and convert it to speech using existing text to speech infrastructure | | |
| Bloomberg LP , New York, NY | Software Engineer Intern | May – July 2017 |
| <ul style="list-style-type: none">Implemented smart search mechanism using Python to translate human language based text to SOLR queriesAdded enhancements to display realtime updates in data visualization charts using C++ and JavaScript | | |
| Nvidia , Santa Clara, CA | Software Intern | 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 as POCArchitected end-to-end data aggregation pipeline using Kafka, Logstash, Elasticsearch in AWS Direct Connect | | |
| ACI Worldwide , Pune, India | Associate Software Engineer | Jul 2013 – Aug 2015 |
| <ul style="list-style-type: none">Developed Java solutions to facilitate Electronics Funds Transfers based on ISO 8583 protocol | | |

EDUCATION

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| 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 |

PROJECTS

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| 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, MLlib | Jan – Apr 2016 |
| <ul style="list-style-type: none">Applied linear regression models to find distance - ticket price relation using airlines dataPredicted flight delays by applying random forest algorithm and naïve bayes classifier | | |
| Hybrid Cloud Services | Java, AWS, Spark, MLlib, Twitter API | Jan – Apr 2016 |
| <ul style="list-style-type: none">Analyzed twitter data using MapReduce and Spark in a hybrid cloud model to find and predict usage patterns | | |

SKILLS

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| Programming Languages: | Java, C, C++, Python, R |
| Frameworks: | Tensorflow, MLlib, 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 |