

VISHNU VISWANATH

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SUMMARY: Graduate student currently pursuing MS in Computer Science with concentration in Data Analytics. Consistent high performer and results-oriented professional with **4.5 years** of work experience in **Java** and **Big Data** technologies.

SKILLS:

- Java, Python, Scala, C#
- Apache Spark, Storm, Kafka, Flume, SOLR, Pig, Oozie, Sqoop
- MonogDB, Hive, Hbase
- Spark ML, Numpy, Scipy, R, Graphlab, Weka, Octave
- J2EE, JSP, SOAP, REST, SOA, IBM MB, MQ, WPS
- Hibernate, Spring, Struts, Dozer
- Oracle 11g, MSSQL 2012, MySQL
- Apache Tomcat, WAS 6.1,
- Javascript, CSS, JQuery, Jekyll
- Unix, Windows, OSX

EDUCATION:

- Master of Science: Computer Science; **BRADLEY UNIVERSITY**, Peoria, IL *08/2015 to Current*
 - Graduate Research assistant, working for Caterpillar Inc. research on supply chain network resilience modeling and critical node prediction.
 - CGPA 4.0/4.0, Awarded Graduate Assistantship
- Bachelor of Technology: Computer Science; **CUSAT**, Kerala, India *09/2006 to 04/2010*
 - Percentage 68.15, converted CGPA 7.2/10
- MOOCs/Certifications
 - Deep Learning, (Google, Udacity) *Ongoing*
 - Machine Learning: Classification (UW, Coursera specialization) *Ongoing*
 - Machine Learning: Regression, (UW, Coursera specialization) *Jan, 2015*
 - Machine Learning Foundations, (UW, Coursera specialization) *Dec, 2015*
 - Machine Learning, Andrew Ng (Coursera) *Dec, 2014*
 - M101P: MonogDB for developers(MongoDB) *Nov, 2013*
 - Data Mining with Weka (University of Waikato) *Oct, 2013*
 - Introduction to Data Science, (University of Washington, Coursera) *Jun, 2013*
 - Algorithm Design and Analysis, (Stanford University, Coursera) *Mar, 2013*

WORK HISTORY:

- **Sr. Developer BigData, AIG Data Services Pvt Ltd.** *11/2014 to 07/2015*
 - Lead developer of **Hadoop** based end-to-end system for **Network analysis** which is used for identifying security threats. The system had to handle high velocity of incoming data of 2 million records/minute – used **Apache Flume, Oozie, Pig, SOLR, J2EE, Web Service and Mahout**.
 - Received Leadership Spot Award for my contributions towards this project.
 - Commendation received from process partner for reducing execution time of the application from 2 hours to less than a minute (reduction of execution time achieved using inverted indexing of SOLR).
- **IT Analyst, Caterpillar India Pvt Ltd.** *10/2012 to 10/2014*
 - Developed mine control software - **Minestar**, used for controlling and monitoring entire operations in a mine site. Worked on modules: Fleet - provides real-time machine tracking and monitoring, Command - which allows remote control of vehicles, Health - event-based machine condition monitoring system. Used **Java, Spring, Hibernate, Oracle11g and MSSQL**
 - Initiated and developed a POC: **Route Congestion Identifier** which lets us find out the routes in the mine site which are most congested, thereby allowing the mine- controller to redirect trucks. Used **Java, Hadoop MapReduce, Apache Oozie and Sqoop**.
 - Presented with Remarkable Results Award for my efforts in Minestar project.
- **Assistant Systems Engineer, Tata Consultancy Services** *02/2011 to 09/2012*
 - Developed a high availability SOA based message processing middleware system, which processes huge volumes of data from different airlines and provides a single processing channel for relevant airline rules. – used **Java, IBM MQ, MB, WPS, SOAP Web Services and Oracle 11g**.
 - Received Top Performer Award during initial training process.