Prashant **Raghav**

http://conflatedthoughts.blogspot.ca/
praghav@uwaterloo.ca | 226.808.0055
#Hadoop #Machine Learning #JAVA #Python #Data Mining

EDUCATION

UNIVERSITY OF WATERLOO
MS Computer Science - Distributed Systems
Expected Dec'14 | Waterloo, ON
Cum. GPA: 90%

MANIPAL UNIVERSITY
BE in Computer Science
August'07 - June'11 | Manipal, INDIA
Cum. GPA: 8 / 10.0

LINKS

Blog:// **My BigData Blog**
Github:// **raghav20**
LinkedIn:// **Prashant Raaghav**
Quora:// **Prashant-Raaghav**

COURSEWORK

GRADUATE
Large Scale Graph Computing
Recommendation Systems
Affective Computing
Data Centric Systems
Machine Learning
(Teaching Asst.)
CS 240: Data Structures - Summer'14
CS 341: Algorithms - Winter'14
CS 137: C++ - Fall'13

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Python • HTML5
Over 2000 lines:
Scala • Flex • SAS • • NoSQL LATEX
Familiar:
C • C++ • PHP • MySQL

FRAMEWORKS
Hadoop:
Hadoop • HIVE • Mahout • PIG
Large Scale Graph Computing:
Apache Giraph • GraphLab • Apache Mahout • Apache HAMA • Apache Spark
Machine Learning:
Apache Lucene • Scikit • Weka

EXPERIENCE

ESENTIRE,INC &UNIVERSITY OF WATERLOO | Research Assistant
Spt'13 – Present | Waterloo, Canada
- Distributed Anomaly Detection using Apache Hadoop.
- Building tools and designing algorithms for data mining to analyze web logs and network to extract irregular patterns.

SAS RESEARCH AND DEVELOPMENT | Software Engineer
Apr'11 – Jun'13 | Pune, India
- Responsible for developing data visualization components (Graphs, Trees) and libraries using complex rendering algorithm written over 2D and 3D API.
- Setup and benchmarked Hadoop Cluster.

HONEYWELL LABS | Software Engineering Intern
Jan'11 – Apr'11 | Bangalore, India
- Design and Development of Augmented Reality Tool for security (ARTS).
- ARTS involves overlaying security points based on coordinates and configuration so that devices(Alarms) can be properly installed.

PROJECTS

MITIGATING HOT SPOTS IN DISTRIBUTED FILE SYSTEM
With Prof W.Golab
Apache Hadoop|Apache Spark
- Enhancing the existing Hadoop code to mitigate hotspots.

COMPARING OPEN SOURCE IMPLEMENTATIONS OF PREGEL
With Prof Khuzaima Daudjee
BigData|Amazon Ec2|Apache Giraph|Apache HAMA|GraphLab
- Involved in installation and evaluation of Hadoop and Pregel Related Systems.
- Worked with dataset of about 30 million edges,on amazon ec2 cluster.

DEFECT RECOMMENDATION SYSTEM
With Prof Reid Holmes
Recommendation System|Machine Learning|Data Mining|NLP
- Using Supervised Machine Learning to classify similar defects.

SENTIMENT ANALYSIS OF TWEETS TO PREDICT MOVIE COLLECTION
With Prof Jessey Hoey
Sentiment Analysis|Machine Learning|Data Mining|NLP
- Built tool in Python to predict Box Office Collection of movies.
- Tool involves use of Natural Language Processing to scrap Tweets and supervised learning for movie prediction.

AWARDS

2013	Masters	Graduate Scholarship
2008	3rd/30	Code Byte, Manipal
2005	Merit Certificate	Maths Olympiad