

Umanga Bista

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Summary

- Experience in Big Data tools like Spark, HDFS, Kafka etc and statistical data analysis.
- Programming experience in Scala, Python and R, familiar with C/C++, Java, Octave and SQL
- Published a research paper at International Conference (CICLing)
- Good knowledge of data structures, algorithms, machine learning, statistics and maths
- Love to take MOOC on Machine learning, Big Data, Analytics and Algorithms
- Familiar with professional software development IDEs, and version control with git

Career Objective

To work or/and have Ph.D in the field of Big Data, Real time scalable analytics and Machine learning

Professional Experience

2013 Oct-now	Research Assistant at LogPoint I initially worked on streaming and distributed algorithms and statistical techniques for Log data mining and anomaly detection for SEIM solutions. Currently, I'm working on using Lambda Architecture for scalability, real time intelligence and fault tolerance in Logpoint using Kafka, Spark, HDFS and other tools.
2013 Feb-Sept	Intern at Office of Company Registrar I was working as an intern researcher and programmer and involved in a team which was working for prospects of financial documentations representation and mining using XBRL. This project is also the undergraduate major project.

Education

2009–2013	Bachelors in Computer Engineering <ul style="list-style-type: none">◦ Tribhuvan University, Institute of Engineering, Central Campus Pulchowk◦ English medium course◦ Grade: 78.6%, First Division Awards <ul style="list-style-type: none">◦ Received Full-scholarship based on merit of entrance exam. [2009-2013]◦ Received Stipends based on merit of semester exams.[2009-2013]◦ Best Implemented Project Award for Major Project: U. Bista, A. Basnet, A. Shrestha, and S. Pant, “Xbrl implementation for financial reporting to the office of company registrar,” tech. rep PDF : http://bit.ly/1mAdpNI
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MOOC Learning with Accomplishments

Coursera 2013	Machine Learning, <i>Andrew Ng</i> Design and Analysis of Algorithms I, <i>Tim RoughGarden</i> Introduction to Data Science, <i>Bill Howe</i> Computing for Data Analysis, <i>Roger D. Peng</i> Image and Video Processing ..., <i>Guillermo Sapiro</i>
Coursera 2014	Unpredictable? Randomness, Chance and Free will, <i>Valerio Scarani</i> Data Analysis and Statistical Inference, <i>Dr. Mine Çetinkaya-Rundel</i> Exploratory Data Analysis, <i>Roger D Peng, Jeff Leek, Brian Caffo</i> Functional Programming Principles in Scala, <i>Martin Odersky</i> Design and Analysis of Algorithms II, <i>Tim RoughGarden</i>

Skills

Programming	Python, Scala, R, Octave familiar: Java, C, C++, SQL web: HTML, JSON and jekyll
Documentation	LaTeX, Markdown, Ipython Notebook, R Markdown
Big Data	HDFS, Spark, Kafka , Flume, Zookeeper, Mesos etc
IDE & Tools	Git, IntelliJ Idea, Sublime Text, R-Studio, ShareLatex


Publications

2014	B. Joshi, U. Bista, and M. Ghimire, “Intelligent clustering scheme for log data streams,” in <i>Computational Linguistics and Intelligent Text Processing</i> (A. Gelbukh, ed.), vol. 8404 of <i>Lecture Notes in Computer Science</i> , pp. 454–465, Springer Berlin Heidelberg, 2014 PDF : http://bit.ly/1o4iFs9
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Languages

Nepali	Mother tongue
English	Good
Hindi	Fair

Personal Information

	(+977)-9841788660
Address	391/120 Phulchwoki Mai Marga, New Baneshwor 10, Kathmandu, Nepal
Nationality	Nepali
Birthdate	1992-01-12
Gender	Male
Hobbies	Watching movies, cricket, traveling, cycling