UMANGA BISTA

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Education

PhD candidate in Machine Learning
Australian National University, *Canberra, Australia*
- picturing everyday knowledge project (multimedia knowledge graphs and deep learning)

Bachelors in Computer Engg
Nov/09 - Sep/13
Institute of Engineering, Central Campus Pulchowk, *Lalitpur, Nepal*
- Grade: 78.6%, first division
- major project: XBRL implementation for financial reporting to office of company registrar

Professional Experience

Research Engineer
Oct/13 - Feb/17
LogPoint, *Lalitpur, Nepal*
- worked on data analytics, clustering & anomaly detection for streaming log data
- installed and managed clusters of mesos, spark, zookeeper, kafka and secure HDFS
- researched and worked on streaming analytics & alerts framework
- helped interns in their project and thesis

Publications

2014 Intelligent clustering scheme for log data streams, CICLING 2014
2016 Anomaly detection from system logs based on spectral methods, NasCoIT, 2016

Skills

Programming: scala, python, R, java | familiar: LaTeX, MATLAB, shell-script, C/C++, HTML/CSS, jekyll
Data Science: Caffe, Spark, Scikit-Learn, SQL, Notebooks (Jupyter, Zeppelin)
Big Data: HDFS, Kafka, Zookeeper, Mesos, Elasticsearch, Logstash
Dev Tools: Git, SBT, Maven, JIRA, Intellij Idea, Sublime Text, Atom, Vim

Additional Information

Awards & scholarships
- HDR merit scholarship and Postgraduate research scholarship at ANU [current]
- Entrance merit scholarship and college fellowship at Institute of Engineering [2009-2013]
- Best Implemented Project Award for undergraduate major project

Conferences
- academic: CICLING 2014, NasCoIT
- professional: Strata+Hadoop 2015, Typelevel Scala Summit, Bobkonf & :clojureD 2016

Language
- English, Nepali (mother tongue)

MOOC
- Completed over 20 courses from coursera, udacity and edx