

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 | **LogPoint, Lalitpur, Nepal**
- Oct/13 - Feb/17
- 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