UMANGA BISTA

ANU Research School of Computer Science | 📞 (+61) 416 119 223 | ✉ umanga.bista@anu.edu.au
🏠 bistaumanga.com.np | 💼 /bistaumanga | ⚙ /bistaumanga

EDUCATION

PhD Candidate in Machine Learning *Australian National University, Canberra*   [Mar/17 - now]
- proposed thesis: Comparative Summarisation of Rich Media Document Collections
- Advisors: Assoc. Prof. Lexing Xie, Aditya Menon, Alex Mathews, Lizhen Qu

Bachelors in Computer Engineering, *Institute of Engineering*, Pulchowk, *Nepal*   [Nov/09-Sep/13]
- major project: XBRL implementation for financial reporting to office of company registrar

EXPERIENCE

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

Tutor *Australian National University (ANU)*, Canberra   [Jun/17-now]
- Document Analysis course: contributed in designing lab modules in python, responsible for conducting tutorials, grading assignments and final exam

Research Assistant *Australian National University (ANU)*, Canberra   [Oct/19-now]
- Responsible for developing and maintaining scalable continuous data (tweets, images, news articles) collection and preprocessing pipelines

SELECTED PUBLICATIONS

- Comparative Document Summarisation via Classification, **U Bista**, *M Shin, A Mathews, AK Menon, L Xie* (AAAI 2019)
- Comparative Summarisation of Rich Media Collections, **U Bista**, (WSDM Doctoral Symposium 2019)
- Visualizing Graph Differences from Social Media Streams, *M Shin, D Kim, JH Lee,* **U Bista**, *L Xie* (WSDM Demo 2019)
- Knowledge Guided Attention and Inference for Describing Images Containing Unseen Objects, *A Mogadala,* **U Bista**, *L Xie, A Rettinger*; (European Semantic Web Conference 2018)
- Intelligent Clustering Scheme for Log Data Streams, *B Joshi,* **U Bista**, *M Ghimire* (CICLING 2014)

SKILLS

Programming	python, R, scala, shell-script	familiar: MATLAB, Java, C/C++, HTML/CSS, jekyll
Data Science	Scikit-Learn, R, Caffe, Spark, SQL, Notebooks (Jupyter, Zeppelin)
Big Data	Elasticsearch, Logstash, Kibana, HDFS, Kafka	familiar: Zookeeper, Mesos, Redis
Misc	Git, SBT, Maven, JIRA, Sublime Text, VSCode, Vim, LaTeX
Language	English, Nepali(mother tongue)

ADDITIONAL INFORMATION

Awards & scholarships	○ HDR merit scholarship and Postgraduate research scholarship at ANU [current] ○ Travel Grants: ICML 2017, AAAI 2019 ○ Entrance merit scholarship & college fellowship at Institute of Engineering [09-13] ○ Best Implemented Project Award for undergraduate major project ○ Diversity scholarship for Typelevel Scala Summit, Bobkonf & :clojureD 2016
MOOC	○ Completed 20+ courses related to Data Science from coursera, udacity and edx