Umanga Bista

bistaumanga@{gmail, hotmail}.com

July 9, 2014

New Baneshwor-10, Kathmandu, Nepal
(977)-9841788660
Website: bistaumanga.com.np

LinkedIn: /in/bistaumanga
Research Gate: /profile/Umanga_Bista
Github: /bistaumanga

Summary

Highly motivated and energetic computer engineering undergrad with good programming and analytical skills, and aspire to become a successful computer science researcher. The areas of interest are Machine learning and statistical data analysis, algorithms and optimizations and not limited to.

Professional Experience

2013 Oct-now — **Research Assistant at LogPoint**

I work on streaming and distributed algorithms and statistical techniques for Log data mining and anomaly detection for SIEM solutions.
Refree :
Dr. Basanta Joshi, basanta.joshi@logpoint.com,
Research Consultant,
LogPoint, Lalitpur, Nepal
Head Office :**Copenhagen, Denmark**

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.
Refree :
Er. Sansar Jung Dewan, sansardewan@gmail.com,
Head, IT Department,
Office Of Company Registrar, Nepal Government, Kathmandu, Nepal

Education

2009–2013 — **Bachelors in Computer Engineering**

- Tribhuvan University, Institute of Engineering, Central Campus Pulchowk
- **Grade: 78.6%, First Division**

Awards

- 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

Publications

2014	**PDF** : http://bit.ly/1o4iFs9

Coursera Accomplishments

2013.
Machine Learning
○ Andrew Ng, *Stanford University*
Design and Analysis of Algorithms
○ Tim RoughGarden, *Stanford University*
Introduction to Data Science
○ Bill Howe, *University of Washington*
Computing for Data Analysis
○ Roger D. Peng, *John Hopkins University*
Image and Video Processing ..
○ Guillermo Sapiro, *Duke University*

2014
Unpredictable? Randomness, Chance and Free will
○ Valerio Scarani, *National University of Singapore*
Data Analysis and Statistical Inference
○ Dr. Mine etinkaya-Rundel, *Duke University*
Exploratory Data Analysis
○ Roger D Peng, Jeff Leek, Brian Caffo *John Hopkins University*

Skills

Programming	Python, R, Octave/MATLAB, Java, C, C++, Scala
Documentation	LaTeX, MarkDown, Ipython Notebook, R MarkDown, MS Word
Databases	SQLite, MySQL
Web	HTML, XML, XBRL, JSON, CSS, Jekyll
Operating System	Ubuntu, Windows [XP, 7, 8], OS X
IDE & Tools	Git, Eclipse, Sublime Text, Spyder, R-Studio, CodeBlocks, TexMaker, Visio

Languages

Nepali	Mother tongue
English	**Fluent**

Project Portfolio

Campus Major Project	A research project carrying out the study of prospects and implementation of XBRL for representation , open data initiation and mining of financial reports submitted to the Office of Company Registrar. **PDF** : http://bit.ly/1mAdpNl

Referees

Available on request.