

PRASHA SHRESTHA

shr.prasha@gmail.com ◊ (205) · 948 · 7087 ◊ [Google Scholar](#)

EDUCATION

- University of Houston** January 2015 - May 2018
PhD in Computer Science
Dissertation Title: **Authorship Attribution in Realistic Scenarios**
Advisor: Dr. Thamar Solorio
Current GPA: 4.00 / 4.00
- University of Alabama at Birmingham** August 2012 - December 2014
MS in Computer Science
Research on Natural Language Processing
Advisor: Dr. Thamar Solorio
Overall GPA: 4.00 / 4.00
- Tribhuvan University, Institute of Engineering, Nepal** December 2005 - March 2010
B.E. in Computer Engineering
Major Project: Nepali Text to Speech
Overall GPA: 79.43 / 100.00

EXPERIENCE

- Pacific Northwest National Laboratory** February 2018 - May 2018
Research Intern
- Anticipatory Analysis with Deep Learning for Graphs
- University of Houston** January 2015 - May 2018
Research Assistant
- Cross domain authorship attribution
 - Large scale authorship attribution and verification
 - Author profiling on medical forum posts
 - Ghostwriting detection in medical journals
 - Aspect based summarization of treatment reviews
 - Content based book recommender system
- University of Alabama at Birmingham** August 2012 - December 2014
Research Assistant
- Text alignment in plagiarism detection
 - Plagiarist identification
 - Author profiling on social media posts
 - Malware family identification
- Bajra Technologies Pvt. Ltd.** August 2011 - May 2012
Software Engineer
- Web service for mobile applications
 - Website development
- Deerwalk Services Pvt. Ltd.** March 2010 - July 2011
Software Engineer

- Accounting and inventory management for a hospital management system
- MIS for Carolina Medical Homes

TECHNICAL STRENGTHS

Programming Languages	Python, Java, C++
Tools and Libraries	Keras, scikit-learn, Weka
Databases	MySQL, SQLite
VCS	SVN, Git
Cloud Services	Amazon EMR, EC2, S3

CERTIFICATION

MILA Deep Learning and Reinforcement Learning Summer School	June/July 2017
LxMLS Machine Learning School	July 2016
Machine Learning	May 2014
https://www.coursera.org	

AWARDS

First position in UH CS PhD showcase 2017.
 Receiving for Cullen Travel Grant for attending EACL conference.
 EACL Studentship to attend the 2017 European Chapter of the ACL Conference.
 Third position in the PAN Author Profiling 2014 Shared Task
 GHC Scholarship Grant to attend the 2014 Grace Hopper Celebration of Women in Computing
 Travel grant to attend the 2014 CRA-Women (CRA-W) Conference
 Freeship and fellowships in 6 out of 8 semesters at Tribhuvan University

PUBLICATIONS

Suraj Maharjan, **Prasha Shrestha**, Katherine Porterfield, Dustin Arendt and Svitlana Volkova. [Towards Anticipatory Analytics: Forecasting Instability Across Countries from Dynamic Knowledge Graphs](#). 5th Pacific Northwest Regional NLP Workshop (NW-NLP 2018).

Prasha Shrestha, Sebastian Sierra, Fabio A. González, Paolo Rosso, Manuel Montes-y-Gómez, and Tamar Solorio. [Convolutional Neural Networks for Authorship Attribution of Short Texts](#). 15th edition of the European Chapter of the Association for Computational Linguistics (EACL 2017).

Prasha Shrestha, Steven Bethard, Ted Pedersen, Nicolas Rey-Villamizar, Farig Sadeque, and Tamar Solorio. [Age and Gender Prediction on Health Forum Data](#). 10th edition of the Language Resources and Evaluation Conference (LREC 2016).

Prasha Shrestha, Arjun Mukherjee and Tamar Solorio. [Large Scale Authorship Attribution of Online Reviews](#). 17th International Conference on Intelligent Text Processing and Computational Linguistics (CICLING 2016).

Prasha Shrestha and Tamar Solorio. [Identification of Original Document by Using Textual Similarities](#). 16th International Conference on Intelligent Text Processing and Computational Linguistics (CICLING 2015).

Prasha Shrestha, Suraj Maharjan, Gabriela Ramírez de la Rosa, Alan Sprague, Tamar Solorio, and Gary Warner. [Using String Information for Malware Family Identification](#). 14th Ibero-American Conference on AI (IBERAMIA 2014).

Suraj Maharjan, **Prasha Shrestha**, Tamar Solorio, and Ragib Hasan. [A Straightforward Author Profiling Approach in MapReduce](#). 14th Ibero-American Conference on AI (IBERAMIA 2014).

Prasha Shrestha, Suraj Maharjan, and Thamar Solorio. [Machine Translation Evaluation Metric for Text Alignment](#). In *Notebook for PAN at CLEF 2014*, Sheffield, UK, 2014.

Suraj Maharjan, **Prasha Shrestha**, and Thamar Solorio. [A Simple Approach to Author Profiling in MapReduce](#). In *Notebook for PAN at CLEF 2014*, Sheffield, UK, 2014.

Prasha Shrestha and Thamar Solorio. [Using a Variety of n-Grams for the Detection of Different Kinds of Plagiarism](#). In *Notebook for PAN at CLEF 2013*, Valencia, España, 2013.