Krishnapriya Vishnubhotla

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Education

2017-Present **University of Toronto**, *M.Sc in Computer Science*, Supervisor: Graeme Hirst.
CGPA: 4.0/4.0

2013–2017 **National Institute of Technology-Surathkal, India**, *B.Tech in Computer Science and Engineering*, CGPA: 8.96/10.0.

Experience

Ongoing **Graduate Teaching Assistant**, *University of Toronto*.

• CSC108: Introduction to Programming in Python • CSC309: Programming on the Web

May 2016 - July 2016 **Summer Intern** , *Myntra Designs Pvt. Ltd, Walmart Inc. India*.
Developed a customer service chatbot for multiple platforms.

May 2015 - July 2015 **Summer Research Intern**, *IIT-Bombay, India*.
Worked on characterizing Nash equilibrium of quasi-zero-sum games.

Projects

Ongoing **Masters thesis project**, *Computational Stylometry*.

- Characterizing authorial and dialogic style in works of fiction using sparse, generative, latent variable models of text.
- Semi-supervised quote attribution.

January 2018-April 2018 **Linguistic Properties of Languages in Crosslingual Word Embeddings**, *Course Project*.

- Explored linguistic properties of languages captured by crosslingual word embeddings
- Showed performance between language pairs corresponds to similarity in morphological and phonological properties.

January 2018-April 2018 **GANs for Text Generation using word2vec**, *Course Project*.
Intergrated word embeddings into convolutional generative adversarial networks for text.

February 2018-May 2018 **Prediction Cause-of-Death from death certificate text**, *TorontoCL at CLEF 2018 eHealth Challenge Task*.

- Implemented recurrent and convolutional ensemble networks to predict ICD-10 cause of death codes from text notes in death certificates, for French, Hungarian and Italian. Among top 5 teams.

Papers

- **Vishnubhotla K, Hammond A, Hirst G.** Are Fictional Voices Distinguishable? Classifying Character Voices in Modern Drama. *Under Review, Digital Humanities 2019.*
- **Jeblee S, Budhkar A, Milić S, Pinto J, Pou-Prom C, Vishnubhotla K, Hirst G, and Rudzicz F** (2018). TorontoCL at the CLEF 2018 eHealth Challenge Task 1. *CLEF 2018 Online Working Notes. CEUR-WS*

Other Achievements

- Selected for the **8th Lisbon Machine Learning School**, held from June 14 2018 to June 21 2018 at the Instituto Superior Técnico (IST) in Portugal.
- **Courses**
  • Computational Linguistics • Machine Learning and Data Mining • Natural Language Computing • Learning Discrete Latent Structure • Advanced Computational Linguistics