

SHRAEY BHATIA

1. PERSONAL INFORMATION

Name: Shraey Bhatia
Nationality: Australian
Email: shraeybhatia@gmail.com
Current Location: Melbourne, Australia

2. SUMMARY OF SKILLS:

- Research abilities developed from academic background in Natural Language Processing (NLP), Deep Learning, Machine Learning and Information Retrieval.
- Skilled Python Programmer and understanding of different Deep Learning Frameworks like Pytorch with other relevant tools like version control Git and handling of Unix-based systems.
- Good communication and presentation skills and able to extend NLP concepts outside of research environment to other domains/industries like Law, Insurance, Finance etc.

3. QUALIFICATIONS:

- October 2017 – present
Doctor of Philosophy (Computational Linguistics and Computer Science), The University of Melbourne under supervision of Timothy Baldwin and Jey Han Lau.
- February 2015 – July 2017
Masters of Science (Computer Science) – First Class Honours, The University of Melbourne under supervision of Timothy Baldwin and Jey Han Lau.
Thesis Title: Evaluation and Labelling in Topic Models

4. PUBLICATIONS:

- Bhatia, Shraey, Jey Han Lau and Timothy Baldwin (2018) **Topic Intrusion for Automatic Topic Model Evaluation**, In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP 2018)*, Brussels, Belgium, pp. 844—849.
- Bhatia, Shraey, Jey Han Lau and Timothy Baldwin (2017) **An Automatic Approach for Document-level Topic Model Evaluation**, In *Proceedings of the Twenty First Conference on Computational Natural Language Learning (CoNLL 2017)*, Vancouver, Canada, pp. 206—215.

- Bhatia, Shraey, Jey Han Lau and Timothy Baldwin (2016) **Automatic Labelling of Topics with Neural Embeddings**, In *Proceedings of the 26th International Conference on Computational Linguistics (COLING 2016)*, Osaka, Japan, 953–963

5. AWARDS AND GRANTS:

- Melbourne School of Engineering Studentship - October 2018, a A\$30,000 per annum scholarship as part of my PhD
- Research Training Program Scholarship – October 2017, a A\$26,000 per annum scholarship awarded as part of my PhD
- Australian Computer Society (ACS) Foundation – June 2016, a A\$8,073 scholarship for a project in collaboration with IBM Research Australia
- Australian Computer Society (ACS) Foundation – February 2016, a A\$14,175 scholarship for a project in collaboration with IBM Research Australia

6. WORK EXPERIENCE:

- October 2017 – Present : Consulting and A.I. Engineer.
Work as a freelancer for different industries using NLP based techniques to draw valuable insights from text. Currently, working with a start-up to draw conclusions about organizational culture in different banks from their language in annual reports and other communication letters between work force.
- February 2017 – June 2017: Demonstrator/Lab Sessions – Machine Learning.
Conducted laboratory sessions for Bachelors and Masters students in *Machine Learning* at the University of Melbourne and demonstrated the use of Python and its frameworks for Machine learning algorithms, data cleaning and data plotting.
- March 2016 – November 2016: Research Intern at IBM Research, Melbourne.
Worked on Topic Models and Neural Network based Embedding Models like Document Embeddings and Vectors, Word vectors and Contextual Vectors.

7. LANGUAGE PROFICIENCY:

English and Hindi (Bilingual)