



Foundational and Applied Applied Natural Language Processing (NLP)

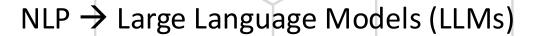
Dr. Aditya Joshi (he/him)

Lecturer,

School of Computer Science and Engineering, UNSW Sydney

UNSW AI Symposium 2024
Organized by UNSW AI Institute







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ACL, EMNLP, AAAI: CORE Ranking: A*

ACM RecSys: CORE Ranking: A ACM CSUR, PLoS One: Q1

2011





ACL, EMNLP, AAAI: CORE Ranking: A*

ACM RecSys: CORE Ranking: A ACM CSUR, PLoS One: Q1



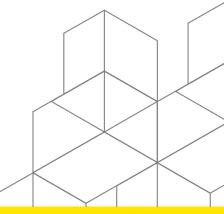
2011



Masters Dissertation

Sentiment Classification

EMNLP 2011, ACL 2011, etc.





ACL, EMNLP, AAAI: CORE Ranking: A*

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2011

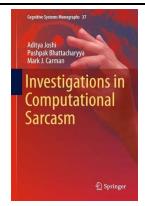
2013

PhD Thesis

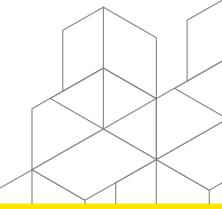


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EMNLP 2011, ACL 2011, etc.



ACL 2014/2015, EMNLP 2016, AAAI 2018, ACM CSUR, etc.





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My journey in NLP so far







CSIRO DATA

2011 2013

PhD Thesis

2017

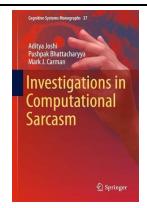
2018

2020

Masters Dissertation

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ACL 2019, AAAI 2020, ACM CSUR, PLoS One, etc.





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My journey in NLP so far













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2013 PhD Thesis

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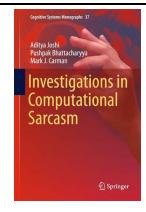
2020

2023

Masters Dissertation

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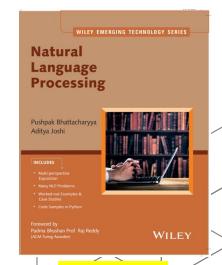
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COMP6713



ACL, EMNLP, AAAI: CORE Ranking: A*

ACM RecSys: CORE Ranking: A

ACM CSUR, PLoS One: Q1

















2023

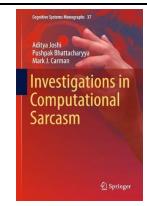
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Masters Dissertation

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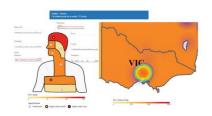
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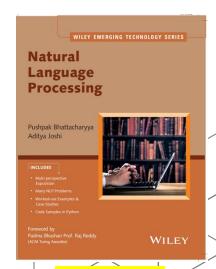
Senior Data Scientist (NLP)



ACL 2019, AAAI 2020, ACM CSUR, PLoS One, etc.

Data Scientist (NLP), AI Platform & Services

ACL 2022, ACM RecSys 2022



COMP6713



ACL, EMNLP, AAAI: CORE Ranking: A*

ACM RecSys: CORE Ranking: A

ACM CSUR, PLoS One: Q1



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PhD Thesis



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Masters Dissertation

Sentiment Classification

EMNLP 2011, ACL 2011, etc.



ACL 2014/2015, EMNLP 2016, AAAI 2018, ACM CSUR, etc. Senior Data
Scientist (NLP)



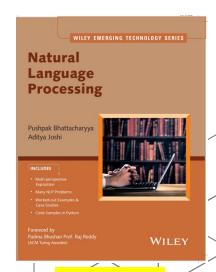
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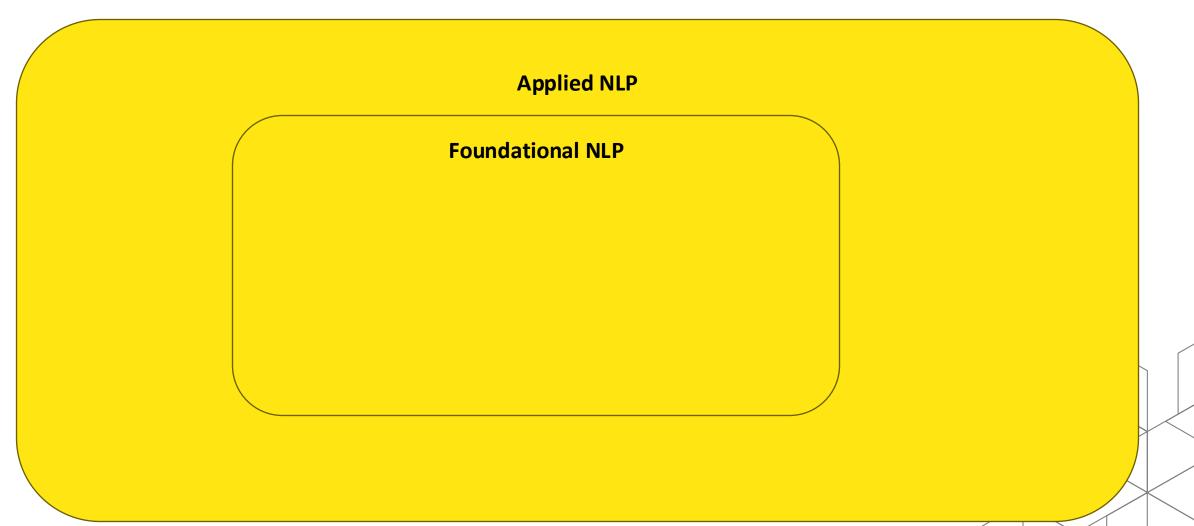




COMP6713



*includes HDR students.





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Applied NLP

Foundational NLP

NLP for varieties of English*

Google Research

Attention
Optimization in
Transformer*



*includes HDR students.

Applied NLP

Automated compliance check in network infrastructure

CISCO

Foundational NLP

NLP for varieties of English*

Google Research

Attention Optimization in Transformer*

Hate speech detection towards LGBTI+ people

Google Research

NLP for epidemic intelligence





*includes HDR students.

Applied NLP Hate speech **Foundational NLP** Automated detection towards compliance LGBTI+ people check in Google Research network NLP for varieties of English* Attention infrastructure Optimization in Google Research Transformer* allalla CISCO NLP for epidemic intelligence NLP for legal domain* Misinformation detection*



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Applied NLP Hate speech **Foundational NLP** Automated detection towards compliance LGBTI+ people check in Google Research network NLP for varieties of English* Attention infrastructure Optimization in Google Research Transformer* allalla CISCO NLP for epidemic intelligence NLP for legal domain* Misinformation detection*





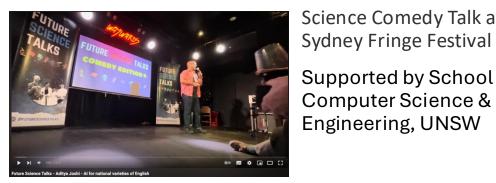
Co-lead, UNSW Community of Practice for Inclusive Research with Queer and Trans people, and people with variations of sex characteristics (Intersex)

"3MTT using AI-generated Slides": Diversity Festival 2024

Science Comedy Talk at

Supported by School of

Engineering, UNSW



https://www.youtube.com/watch?v=5sXfkvBxVmY

Organising Co-Chair, Rainbow Al Australia

Funded by Google's exploreCSR grant



Talks on 'Introduction of AI/LLMs' at: AI and Courts Symposium by High Court of Australia, National Judicial Orientation Program, NSW Supreme Court Conference, WA Magistrates' Society Conference

Supported by National Judicial College of Australia





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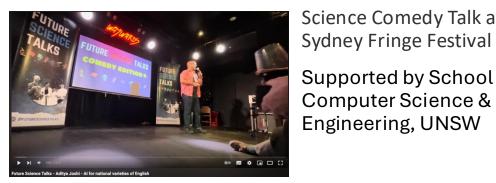
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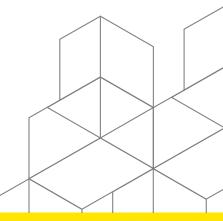


Please reach out...

... if you are a linguist OR ... a researcher wanting to apply NLP/LLMs to your domain









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Publications



GitHub

Dr. Aditya Joshi, aditya.joshi@unsw.edu.au

