

Dhivya Chinnappa

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[SEMANTIC SCHOLAR PROFILE](#)
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RESEARCH INTERESTS

Natural Language Processing, Machine Learning, Social media analysis, Information extraction, Common sense reasoning, Event ordering, Temporal anchoring, Multimodal Machine Learning, Error analysis, Semantics, Legal NLP, Tamil NLP

EDUCATION

DEC 2019	Ph.D. in COMPUTER SCIENCE, University of North Texas <i>CGPA: 3.9</i> Advisor: DR. EDUARDO BLANCO Specialization: NATURAL LANGUAGE PROCESSING Dissertation: EXTRACTING POSSESSIONS AND THEIR ATTRIBUTES
DEC 2014	Master of Business Administration (M.B.A.), Anna University , India CLASS: FIRST CLASS Specialization: Technology Management (Distance mode)
JUNE 2012	Masters in Engineering (M.E.) Anna University , India Class: First class with distinction Specialization: Computer Science and Engineering
MAY 2010	Bachelors in Engineering (B.E.) Anna University , India Class: First class with distinction Specialization: Computer Science and Engineering

PROFESSIONAL EXPERIENCE

FEB 2020 - CURRENT	Research Scientist at Thomson Reuters Working on the Keycite project in West law focusing on legal NLP tasks including text similarity, text ranking, classification, clustering, etc.
SEP 2018 - DEC 2019	Graduate Research Assistant at UNT Lead RA in an NSF project on NLP, Machine Learning, and Computer Security
AUG 2016 - AUG 2018	Teaching Assistant at UNT Conducted C++ labs and recitations, graded student works, maintained office hours
JUL 2012 - JUNE 2014	Teaching Fellow at constituent colleges - Anna University, India Taught undergraduate CS courses, graded student works, supervised course projects

PUBLICATIONS

Frank Schilder, **Dhivya Chinnappa**, Kanika Madan, Jinane Harmouche, Andrew Vold, Hiroko Bretz and John Hudzina. 2021. A Pentapus Grapples with Legal Reasoning. Long paper. Proceeding of the Competition on Legal Information Extraction/Entailment (COLIEE).

Dhivya Chinnappa, Praveenraj Dhandapani. 2021. [Tamil lyrics corpus: Analysis and Experiments](#). Long paper. The First Workshop on Speech and Language Technologies for Dravidian

Languages at the European Chapter of the Association for Computational Linguistics (EACL), Virtual conference.

Dhivya Chinnappa. 2021. [dhivya-hope-detection@LT-EDI-EACL2021: Multilingual Hope Speech Detection for Code-mixed and Transliterated Texts](#). Short paper. The First Workshop on Language Technology for Equality, Diversity, and Inclusion Submission at the European Chapter of the Association for Computational Linguistics (EACL), Virtual conference.

John Hudzina, Kanika Madan, **Dhivya Chinnappa**, Jinane Harmouche, Hiroko Bretz, Andrew Vold and Frank Schilder. 2020. [Information Extraction & Entailment of Common Law & Civil Code](#). Journal. Post-proceedings via Springer Verlag Lecture Notes in Artificial Intelligence.

Dhivya Chinnappa and Eduardo Blanco. 2021. [Extracting possessions from text: Experiments and error analysis](#). Journal. Natural Language Engineering (NLE). Cambridge University Press.

Srikala Murugan, **Dhivya Chinnappa** and Eduardo Blanco. 2020. [Determining Event Outcomes: The Case of #fail](#). Journal. In Findings of the 2020 Conference on Empirical Methods in Natural Language Processing (*Findings of EMNLP*), Virtual conference.

Dhivya Chinnappa, Srikala Murugan and Eduardo Blanco. 2020. [Beyond Possession Existence: Duration and Co-possession](#). Long paper. In Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL), Virtual conference.

Dhivya Chinnappa, Alexis Palmer and Eduardo Blanco. 2020. [WikiPossessions: Possession timeline generation as an evaluation benchmark for machine reading comprehension of long texts](#). Long paper. In Proceedings of the 12th International Conference on Language Resources and Evaluation (*LREC*), Virtual conference.

Dhivya Chinnappa, Srikala Murugan and Eduardo Blanco. 2019. [Extracting Possessions from Social Media: Images Complement Language](#). Long paper. In the 2019 Conference on Empirical Methods in Natural Language Processing (*EMNLP*), Hong Kong.

Dhivya Chinnappa, Alexis Palmer and Eduardo Blanco. 2019. [Temporally-oriented possession: A corpus for tracking possession over time](#). Extended Abstract. In the second meeting on Society for Computation in Linguistics (*SCiL*). New York City, USA.

Dhivya Chinnappa and Eduardo Blanco. 2018. [Possessors Change Over Time: A Case Study with Artworks](#). Long paper. In the 2018 Conference on Empirical Methods in Natural Language Processing (*EMNLP*). Brussels, Belgium.

Dhivya Chinnappa and Eduardo Blanco. 2018. [Mining Possessions: Existence, Type and Temporal Anchors](#). Long paper. In Proceedings of 16th Annual Conference of the North American Chapter of the Association for Computational Linguistics (*NAACL*). New Orleans, USA.

SKILLS

- Language: Python – NLTK, spaCy, sklearn, CoreNLP, gensim, pandas, keras, tensorflow, pytorch, transformers
- Courses: Natural Language Processing, Advanced Natural Language Processing, Computational Linguistics, Semantics, Machine Learning, Advanced Pattern Recognition
- Coursera: [DeepLearning.AI TensorFlow Developer](#)
- Certifications: Graduate Student Teaching Excellence Program (GSTEP)
Graduate Aptitude Test in Engineering (GATE), India (2011 & 2015)
- Others: research formulation, corpus creation, annotation analysis, inter-annotator agreement calculation, corpus analysis, model building, hyper-parameter tuning, fine-tuning BERT models, error analysis

AFFILIATIONS

2021	Special Issue on Speech and Language Technologies for Dravidian Languages	Guest Editor
2021	Dravidian-CodeMix - FIRE 2021 Sentiment Analysis for Dravidian Languages in Code-Mixed Text	Organizer
2018-Now	Tier-one NLP/AI conferences and workshops (ACL, EMNLP, NAACL-HLT, EACL, AACL, AAAI, etc.)	Program committee Member
2020, 2021	Grace Hopper Conference for Women in Computing	Program committee member (AI track)
2021-2022	International Tamil Academy	Tamil teacher (volunteer)
2018-Now	Association for Computational Linguistics	Member
2018-2019	UNT - Women in Computing	President
2016-2018	UNT - Women in Computing	Member
2016-2019	UNT - Association for Computing Machinery	Member
2018-2019	UNT - Computational Linguistics Club	Member
2010-2012	Anna University - CSE Association	Secretary
2006-2010	Computer Society of India - Student chapter	Member

AWARDS, SCHOLARSHIPS

2019	Full scholarship	EMNLP (Student Travel Scholarship Program)	ACL & UNT
2019	Full scholarship	Richard Tapia conference	GITHUB
2019	Full scholarship	West coast NLP	Facebook
2019	Monetary award	International Texas Public Education Grant (TPEG) (500+ USD)	Texas Govt.
2019	Tuition benefit program	Full tuition fees	UNT
2018	Full scholarship	EMNLP conference	UNT
2018	Full scholarship	NAACL-HLT conference	ACL & UNT
2018	Full scholarship	Grad Cohort for Women	CRA-W
2018	Monetary award	International Texas Public Education Grant (TPEG) (3947 USD)	Texas Govt.
2018	Tuition benefit program	Full tuition fees	UNT
2017	Monetary award	Academic Achievement Scholarship Award (1000 USD)	UNT
2017	Tuition benefit program	Full tuition fees	UNT
2016	Full scholarship	Grace Hopper Conference	BRAID & UNT
2016	Monetary award	Academic Achievement Scholarship Award (1000 USD)	UNT
2016	Tuition benefit program	Full tuition fees	UNT
2005	President award	Highest award in Guides movement in India	India
2004	Governor award	Highest award in Guides movement in TN	Tamil Nadu, India

PRESENTATIONS

- SEP. 2021 Presented on the topic *Multimodal Machine Learning: How to approach?* at the [CMD-IT/ACM Richard Tapia Celebration of Diversity in Computing Conference](#).
- AUG. 2021 Presented on the topic *The Letters AI are in FAIR, But Is Artificial Intelligence Fair?* at [ILTACON 2021](#).
- APR. 2021 Presented on the topic *Multimodal Machine Learning: How to approach?* at the [Women in Data Science Puget Sound conference](#).
- SEP. 2020 Research poster accepted at the virtual Grace Hopper Conference 2020.
- SEP. 2020 Co-presented on *Stereotype detection in legal corpora* at the MSP Technology Unconference (Virtual)
- JUN. 2020 Presented on *Multimodal Machine Learning* at the Machine Learning Presentation Series (internal research talk) in Thomson Reuters (Virtual)
- NOV. 2019 Finalist for the *Doctoral three minute thesis (3MT)* at UNT, Texas.
- OCT. 2019 Presented a poster on *Extracting possessions from social media* at the Grace Hopper conference 2019, Orlando.
- SEP. 2019 Presented a poster on *Extracting possessions from social media* at the Richard Tapia conference, San Diego.
- SEP. 2019 Presented a poster on *Extracting possessions* at the West Coast NLP, San Francisco.
- APR. 2019 Finalist for the *Doctoral lightning talk* at the Multi-disciplinary information research symposium (MIRS), Denton, Texas.
- APR. 2019 Presented a paper on *Extracting possession duration* at the MIRS, Denton, Texas.
- APR. 2019 Presented a poster on *Extracting possessions from text and images* at the MIRS, Denton, Texas.
- SEP. 2018 Presented a poster on *Extracting change of possessions* at the Industrial advisory meeting, UNT, Texas.
- APR. 2018 Presented a poster on *Extracting possession types and temporal anchors* at the Data Analytics summit, Allen, Texas.

INVITED TALKS

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| Oct. 2021 | Careers in Machine Learning: Beyond the Hype | ACM-W Celebrating Technology Leaders | Panelist |
| Dec. 2020 | Advancing Women in Engineering | IEEE International Symposium on Smart Electronic Systems, VIT University, Chennai, India | Panelist |

VOLUNTEERING

- SEP. 2021 Served as a judge for the *Doctoral Consortium* at the Richard Tapia conference, 2021 (Virtual)
- SEP. 2021 Served as a judge for the *Research Posters* at the Richard Tapia conference, 2021 (Virtual)
- APR. 2021 Served as a mentor for the session on *Navigating research problems/directions in NLP, Effective communication in research, Establishing collaborations and networking* at EACL 2021 (Virtual)
- JAN. 2021 Volunteer for Shehacks women hackathon (virtual)
- AUG. 2020 Served as a mentor for the session on *Finding a great mentor/advisor & Surviving grad school* at ACL 2020 (Virtual)
- AUG. 2020 Live-tweeter in Tamil & English for research papers presented at ACL 2020
- JUN. 2020 Volunteered at an agricultural farm in Lakeville, Minnesota organized by Urban Ventures
- APR.2020 Served as a judge for Midwest Undergraduate Data Analytics Competition (MUDAC)
- NOV. 2019 Mentored graduate students as a *big sibling* for at EMNLP 2019, Hongkong.
- NOV. 2019 Volunteered for technical help at EMNLP 2019 presentations, Hongkong.
- JUN. 2018 Volunteered for technical help at NAACL-HLT 2018 presentations, New Orleans.
- 2010 - 2012 Volunteered at Team Everest NGO supporting education and health care in Chennai, India