

Anil K. Ramakrishna

anil.k.ramakrishna@gmail.com

| | | |
|----------------------------|---|--|
| Education | Doctor of Philosophy Computer Science — <i>GPA: 3.8/4.0</i> Advisor: Prof. Shrikanth Narayanan Signal Analysis and Interpretation Laboratory University of Southern California, Los Angeles, CA | May 14 - October 19 |
| | Master of Science Electrical Engineering — <i>GPA: 3.95/4.0</i> Computer Science — <i>GPA: 3.7/4.0</i> University of Southern California, Los Angeles, CA | Fall 18 - Spring 19 Fall 12 - Spring 14 |
| | Bachelor of Engineering Information Science — <i>Agg. %: 80.2/100</i> B.M.S. College of Engineering Visvesvaraya Technological University, Belgaum, India | July 06 - May 10 |
| Research Interests | Sentiment Analysis, Natural Language Processing, Machine Learning. | |
| Relevant Coursework | Advanced Natural Language Processing, Statistical Machine Learning, Data Mining and Statistical Inference, Mathematics of High-Dimensional Data, Probabilistic Graphical Modeling, Neural Networks, Linear Algebra, Probability and Statistics for Engineers, Optimization for the Information and Data Sciences, Foundations of Artificial Intelligence, Parallel Programming, Information Retrieval. | |
| Publications | <p>Anil Ramakrishna, Shrikanth Narayanan, <i>Sentence level estimation of psycholinguistic norms using joint multidimensional annotations</i>, in: Proceedings of Interspeech, Shanghai, China, 2020.</p> <p>Anil Ramakrishna, Rahul Gupta, Shrikanth Narayanan, <i>Joint Multi-Dimensional Model for Global and Time-Series Annotations</i>, in IEEE Transactions on Affective Computing, doi: 10.1109/TAFFC.2020.3006418.</p> <p>Victor R Martinez, Anil Ramakrishna, Ming-Chang Chiu, Karan Singla, Shrikanth Narayanan, <i>A system for the 2019 Sentiment, Emotion and Cognitive State Task of DARPA's LORELEI project</i>, in: Proceedings of the 8th International Conference on Affective Computing & Intelligent Interaction (ACII), Cambridge, UK, September 2019.</p> <p>Anil Ramakrishna, Rahul Gupta. <i>Approximating Parameters of a Distributively Trained Model using Supervised Learning</i>, The Southern California Machine Learning Symposium, Los Angeles, March 2019.</p> <p>Victor R Martinez, Krishna Somandepalli, Karan Singla, Anil Ramakrishna, Yalda T Uhls, Shrikanth Narayanan, <i>Violence Rating Prediction from Movie Scripts</i>, in: Proceedings of the Advancement of Artificial Intelligence (AAAI), Honolulu, January 2019.</p> <p>Anil Ramakrishna, Timothy Greer, David Atkins, Shrikanth Narayanan, <i>Computational modeling of conversational humor in psychotherapy</i>, in: Proceedings of Interspeech, Hyderabad, India, 2018.</p> <p>Nikolaos Malandrakis, Anil Ramakrishna, Victor Martnez, Tanner Sorensen, Dogan</p> | |

Can, Shrikanth Narayanan, *The ELISA Situation Frame extraction for low resource languages pipeline for LoReHLT2016*. in: Machine Translation, 2017.

Anil Ramakrishna, Victor R. Martinez, Nikolaos Malandrakis, Karan Singla and Shrikanth Narayanan, *Linguistic analysis of differences in portrayal of movie characters*. in: Proceedings of Association for Computational Linguistics (ACL), Vancouver, July 2017.

Anil Ramakrishna, Rahul Gupta, Rush B. Grossman and Shrikanth S. Narayanan, *An Expectation Maximization Approach to Joint Modeling of Multidimensional Ratings Derived from Multiple Annotators*. in: Proceedings of Interspeech, San Francisco, 2016.

Jangwon Kim, **Anil Ramakrishna**, Sungbok Lee and Shrikanth Narayanan. *Relations between prominence and articulatory-prosodic cues in emotional speech*. in: Proceedings of Speech Prosody, Boston, 2016.

Anil Ramakrishna, Nikolaos Malandrakis, Elizabeth Staruk and Shrikanth S. Narayanan. *A quantitative analysis of gender differences in movies using psycholinguistic norms*. in: Proceedings of Empirical Methods in Natural Language Processing (EMNLP), Lisbon, Portugal, 2015.

Daniel Bone, Matthew P. Black, **Anil Ramakrishna**, Ruth Grossman and Shrikanth S. Narayanan. *Acoustic-Prosodic Correlates of Awkward Prosody in Story Retellings from Adolescents with Autism*, in: Proceedings of Interspeech, Dresden, Germany, 2015.

Tanaya Guha, Zhaojun Yang, **Anil Ramakrishna**, Ruth Grossman, Darren Hedley, Sungbok Lee and Shrikanth S. Narayanan. *On Quantifying facial expression-related atypicality of children with autism spectrum disorder*. in: Proceedings of IEEE International Conference on Audio, Speech and Signal Processing (ICASSP), Brisbane, 2015.

David Kale, Marjan Ghazvininejad, **Anil Ramakrishna**, Jingrui He and Yan Liu. *Hierarchical Active Transfer Learning*. in: Proceedings of the 2015 SIAM International Conference on Data Mining (SDM), 2015.

Anil Ramakrishna, Yu-Han Chang and Rajiv Maheswaran. *An Interactive Web Based Spatio-Temporal Visualization System*. in: Proceedings of Advances in Visual Computing, 2013.

Patents

Shrikanth Narayanan, Victor Martinez Palacios, **Anil Ramakrishna**, Krishna Somandepalli, Nikolaos Malandrakis, Karan Singla, *Linguistic analysis of differences in portrayal of movie characters*. US Patent App. 16/137,091, 2019.

Academic Service

Organizing Committee, Workshop on Trustworthy NLP, NAACL 2021.
Program Committee Member, EACL, 2021.
Program Committee Member, EMNLP, 2021.
Reviewer, The Ninth Joint Conference on Lexical and Computational Semantics, 2020.
Reviewer, COLING 2020 Industrial Track, 2020.
Reviewer, Palgrave Communications. March 2020.
Program Committee Member, AAAI 2020.
Reviewer, PLOS One, July 2019.
Program Committee Member, NAACL 2019.
Reviewer, IEEE Transactions on Affective Computing, October 2018.

| | |
|--------------------------|--|
| Experience | <p>Applied Scientist October 19 - present Alexa AI. Amazon Inc. Los Angeles, CA</p> <ul style="list-style-type: none"> • I work on various privacy initiatives within the Natural Language Understanding group of Alexa. <p>Applied Scientist Intern May 18 - August 18 Amazon Inc. Boston, MA</p> <ul style="list-style-type: none"> • Developed a model combination strategy to address operational constraints with shared data training for Amazon's Alexa NLU pipeline. <p>Systems Administration Assistant Fall 12 - Spring 14 Computational Biology and Bioinformatics group University of Southern California, Los Angeles, CA</p> <ul style="list-style-type: none"> • Responsible for installation, configuration and trouble shooting of servers with Unix like operating systems. <p>Systems Software Engineer June 10 - July 12 Hewlett Packard R&D, Bangalore, India</p> <ul style="list-style-type: none"> • Worked on development of two frameworks used for file system validation in HP-UX. <p>Software Engineering Intern Jan 10 - May 10 National Instruments R&D, Bangalore, India</p> <ul style="list-style-type: none"> • Worked on development of advanced debugging tools in NI's LabVIEW. |
| Computing Skills | <p><u>Languages:</u> Python, C, C++ & Java(Beginner), LaTeX, BASH shell scripting</p> <p><u>Technical Computing:</u> MATLAB, GNU Octave, R, LabVIEW(Beginner)</p> <p><u>System Administration:</u> GNU/Linux, openSUSE</p> |
| Extra-curriculars | <p><i>Certified Facilitator</i>, Art of Living Foundation Jan 19-present <i>Coordinator</i>, Machine Learning Reading Group, SAIL Fall 15-present <i>President</i>, Yoga and Meditation Club at USC Fall 14 - present <i>Vice-President</i>, Yoga and Meditation Club at USC Fall 13 - Spring 14 <i>Volunteer</i>, Art of Living Foundation 07 - present</p> |
| Nationality | Indian (under F1 visa) |