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EXPERIENCE	<p><b>Assistant Professor,</b> Lally School of Management, Rensselaer Polytechnic Institute, Troy, NY</p> <p><b>Teaching</b></p> <ul style="list-style-type: none"><li>• MGMT 6560-02 Introduction to Machine Learning Applications Avg instructor evaluation: 4.40/5</li><li>• MGMT 6160-02 (MGMT 4963-02) Applied Analytics and Predictive Modeling Avg instructor evaluation: 4.43/5</li></ul> <p><b>Course Instructor – CSE 494/598 Information Retrieval,</b> Arizona State University, Tempe, AZ</p> <p><b>Research Intern,</b> IBM T. J. Watson Research Center, Yorktown Heights, NY</p> <p><b>Research Intern,</b> Microsoft Research, Redmond, WA</p> <p><b>Research Engineer,</b> Kyungpook National University, Daegu, South Korea</p> <p><b>Research Intern,</b> University of Minnesota, Twin Cities, MN</p> <p><b>Research Intern,</b> University of Sydney, Sydney, Australia</p> <p><b>Research Assistant</b></p> <ul style="list-style-type: none"><li>• Arizona State University, Tempe, AZ</li><li>• IIIT-Hyderabad, Hyderabad, India</li></ul>	<p>Fall 2019 – <i>Present</i></p> <p>Fall 2019–<i>Present</i></p> <p>Spring 2020</p> <p>Spring 2016</p> <p>Summer 2016</p> <p>Summer 2015</p> <p>Summer 2012</p> <p>January 2011 – December 2011</p> <p>Summer 2008</p> <p>Fall 2013 – Summer 2019</p> <p>Fall 2008 – Fall 2010</p>
EDUCATION	<p><b>Ph.D. Computer Science,</b> Arizona State University, Tempe, Arizona Advisor: <i>Prof. Subbarao Kambhampati (rakaposhi.eas.asu.edu)</i></p> <p><b>M.S. Computer Science and Engineering,</b> International Institute of Information Technology, Hyderabad, India</p> <p><b>B.Tech (Hons) Computer Science and Engineering,</b> International Institute of Information Technology, Hyderabad, India</p>	<p>2019</p> <p>2012</p> <p>2009</p>
PUBLICATIONS	<p>[1] Benjamin D. Horne, Dorit Nevo, Sibel Adali, <b>Lydia Manikonda</b>, and Clare Arrington, “Tailoring Heuristics and Timing AI Interventions for Supporting News Veracity Assessments”, <i>Computers in Human Behavior Reports</i>, 2020.</p> <p>[2] Brendan Cunha, <b>Lydia Manikonda</b>, “An RNN-based Classifier to detect Misinformation in News Articles”, <i>ICWSM Data Challenge: Safety</i>, 2020.</p> <p>[3] <b>Lydia Manikonda</b>, Shailesh Divey, “Reddit: A Novel Online Financial Consultancy”, <i>The AAAI-20 Workshop on Knowledge Discovery from Unstructured Data in Financial Services (KDF)</i>, 2020.</p> <p>[4] Niharika Jain, <b>Lydia Manikonda</b>, Alberto Olmo Hernandez, Sailik Sengupta, and Subbarao Kambhampati, “Imagining an Engineer: On GAN-Based Data Augmentation Perpetuating Biases”, <i>arXiv preprint arXiv:1811.03751</i>, 2018.</p> <p>[5] <b>Lydia Manikonda</b>, Subbarao Kambhampati, “Tweeting AI: Perceptions of Lay vs Expert Twitterati”, <i>The International Conference on Weblogs and Social Media (ICWSM)</i>, 2018.</p>	

- [6] Nur Kamarudin, Vineeth Rakesh, Ghazaleh Beigi, **Lydia Manikonda**, Huan Liu, "A Study of Reddit – Users Response to Rape", *ASONAM*, 2018.
- [7] **Lydia Manikonda**, Ghazaleh Beigi, Huan Liu, Subbarao Kambhampati, "#metoo through the Lens of Social Media", *SBP-BRIMS*, 2018.
- [8] **Lydia Manikonda**, Aditya Deotale, Subbarao Kambhampati, "What's up with Privacy?: User Preferences and Privacy Concerns in Intelligent Personal Assistants", *AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society*, 2018.
- [9] **Lydia Manikonda**, Shirin Sohrabi, Biplav Srivastava, Kartik Talamadupula, Subbarao Kambhampati, "Extracting Incomplete Planning Action Models from Unstructured Social Media Data to Support Decision Making", *Workshop on Knowledge Engineering for Planning and Scheduling, ICAPS*, 2017.
- [10] **Lydia Manikonda**, Tathagata Chakraborti, Kartik Talamadupula, Subbarao Kambhampati, "Herd-ing the Crowd: Using Automated Planning for Better Crowdsourced Planning," *Human Computation Journal* Vol 4, No 1 2017.
- [11] **Lydia Manikonda**, Munmun De Choudhury, "Modeling and Understanding Visual Attributes of Mental Health Disclosures in Social Media," *ACM CHI Conference on Human Factors in Computing Systems (CHI)*, 2017.
- [12] **Lydia Manikonda**, Tathagata Chakraborti, Kartik Talamadupula, Subbarao Kambhampati, "Herd-ing the Crowd: Using Automated Planning for Better Crowdsourced Planning," *Human Computation Journal*, 2017.
- [13] Ece Kamar, **Lydia Manikonda**, "Complementing the Execution of AI Systems with Human Computation" *AAAI Workshop on Crowdsourcing, Deep Learning and Artificial Intelligence Agents*, 2017.
- [14] **Lydia Manikonda**, Vamsi Meduri, Subbarao Kambhampati, "Tweeting the Mind and Instagram-ming the Heart: Exploring Differentiated Content Sharing on Social Media," *The International Conference on Weblogs and Social Media (ICWSM)*, 2016.
- [15] **Lydia Manikonda**, Heather Pon-Barry, Subbarao Kambhampati, Eric Hekler, David W. McDonald, "Venting Weight: Analyzing the Discourse of an Online Weight Loss Forum," *The 3rd International Workshop on the World Wide Web and Population Health Intelligence (AAAI-W3PHI)*, 2016.
- [16] **Lydia Manikonda**, Tathagata chakraborti, Sushovan De, Kartik Talamadupula, Subbarao Kambhampati, "AI-MIX: How a Planner Can Help Guide Humans Towards a Better Crowdsourced Plan," *Conference on Human Computation & Crowdsourcing (HCOMP) WIP Track*, 2014.
- [17] Yuheng Hu, **Lydia Manikonda**, Subbarao Kambhampati, "What We Instagram: A First Analysis of Instagram Photo Content and Users," *The International Conference on Weblogs and Social Media (ICWSM)*, 2014 [*Featured on Wired, abcnews*].
- [18] **Lydia Manikonda**, Usha Kumar, Shashi Shekhar, "A Facebook Application for Improving Disaster Management," *Grace Hopper Conference for Women in Computing*, 2012.
- [19] Shashi Shekhar, KwangSoo Yang, Venkata M.V. Gunturi, **Lydia Manikonda**, Dev Oliver, Xun Zhou, Betsy George, Sangho Kim, Jeffrey M. R. Wolff, Qingsong Lu, "Experiences with Evacuation Route Planning Algorithms," *International Journal of Geographical Information Science (IJGIS)*, 2012.
- [20] Ashish Garg, **Lydia Manikonda**, Shashank Kumar, Vikrant Krishna, Shyam Boriah, Michael Steinbach, Vipin Kumar, Durga Toshniwal, Christopher Potter, Steven Klooster, "A Model-Free Time Series Segmentation Approach for Land Cover Change Detection," *NASA Conference on Intelligent Data Understanding (CIDU)*, 2011.
- [21] **Lydia Manikonda**, Raghvendra Mall, Vikram Pudi, Raghunath Rao, "Mining Nutrition Survey Data," *IEEE Symposium on Computational Intelligence and Data Mining*, Paris, France, April 2011.
- [22] **Lydia Manikonda**, Ashish Mangalampalli, Vikram Pudi, "UACI: Uncertain Associative Classifier

	for Object Class Identification,” <i>The 25<sup>th</sup> International Conference of Image and Vision Computing</i> , New Zealand, November 2010.
	[23] <b>Lydia Manikonda</b> , Annu Tuli, Vikram Pudi, “ProMax: A Profit Maximizing Recommendation System for Market Baskets,” <i>SIGAI Workshop on Emerging Research Trends in AI</i> , 2010.
PATENTS	[24] <b>Lydia Manikonda</b> , Shirin Sohrabi, Biplav Srivastava, Kartik Talamadupula, “Learning Personalized Actionable Domain Models” Pub.No: US 2018/0285770 A1, Pub.Date: Oct.4,2018.
	[25] <b>Lydia Manikonda</b> , Shirin Sohrabi, Biplav Srivastava, Kartik Talamadupula, Anton Riabov, Deepark Turaga, “Autonomous learning of actionable models from unstructured data” Pub.No: US 2018/0218270 A1, Pub.Date: Aug.2, 2018.
BOOK CHAPTERS	[26] Nur Shazwani Kamarudin, Ghazaleh Beigi, <b>Lydia Manikonda</b> , Huan Liu, “Social Media for Mental Health: Data, Methods, and Findings”, <i>Open Source Intelligence and Cyber Crime (Social Media Analytics)</i> , 195-220, Springer Link, 1st ed. 2020.
MEDIA MENTIONS	<ul style="list-style-type: none"> <li>• Seeking a Moral Compass in the Digital Age (<a href="#">URL</a>)</li> <li>• Discussing COVID-19 and Unemployment on Spectrum News (<a href="#">URL</a>)</li> <li>• "Why Not Change the World?" RPI Podcast on Social Media and Artificial Intelligence (<a href="#">URL</a>)</li> <li>• Twelve Christian Women in Science You Should Know (<a href="#">URL</a>) by Christianity Today</li> <li>• AI and Machine Learning in the context of Privacy – State Press – Arizona State University (<a href="#">URL</a>)</li> <li>• The Best of the Physics arXiv – MIT Technology Review (<a href="#">URL</a>)</li> <li>• Article on AI expertise and Twitter – Network World (<a href="#">URL</a>)</li> <li>• Write up on our Instagram research – ABC news (<a href="#">URL</a>)</li> <li>• Article on our Instagram research – Wired (<a href="#">URL</a>)</li> </ul>
AWARDS	<ul style="list-style-type: none"> <li>• Best <b>reviewer award</b> ICWSM 2019.</li> <li>• People’s Choice award for <b>Best Demonstration</b>, ICAPS 2014.</li> <li>• Recipient of <b>Anita Borg Institute Scholarship</b> 2015, 2011.</li> <li>• <b>Full travel support</b> to attend Doctoral Consortium at ICAPS-2014, HCOMP-2014.</li> <li>• Recipient of <b>University Graduate Fellowship Award</b> for Fall-2013, Spring-2014 and Summer-2014, Arizona State University.</li> <li>• Google-India <b>Woman in Engineering Award</b> 2011.</li> <li>• Listed in the <b>Dean’s Merit List</b> at IIIT-H for the academic performance in Fall-2007, Spring-2008.</li> <li>• Recipient of <b>Special Mention Award</b>-2009 from IIIT-H for organizing research activities from 2007-2009.</li> </ul>
MENTORING	<div> <b>Junxiong Tang</b> <span>Fall 2019–Present</span> </div> <div> Graduate student, Rensselaer Polytechnic Institute, Troy, NY </div> <div> <b>Shailesh Divey</b> <span>Fall 2019</span> </div> <div> Graduate student, Rensselaer Polytechnic Institute, Troy, NY </div> <div> <b>Aditya Deotale</b> <span>Fall 2018–Spring 2020</span> </div> <div> Graduate Student, Arizona State University, Tempe, AZ </div> <div> <b>Cameron Dudley</b> <span>Fall 2017–Spring 2018</span> </div> <div> Undergraduate Student, Arizona State University, Tempe, AZ </div>
SKILLSET	<b>Programming Languages</b> C, C++, JAVA, Python, Matlab, R <b>Techniques</b> MySQL, Javascript, HTML, PHP, WEKA, multiple deep learning Python packages
SERVICE	<b>Organizer/Chair</b> – <i>Scientific Discovery with AI</i> Diversity Series Workshop at <b>AAAI-2021</b> ( <a href="https://sites.google.com/view/ai4be">https://sites.google.com/view/ai4be</a> )

**Senior Program Committee member ICWSM**

**Prpgram Committee member** WebConf, NAACL-HLT, ACL, ASONAM, SDM, WebSci

**Journal Reviewer** Transactions on the Web, Transactions on Social Computing

**Data Analyst for IJCAI 2016**

**Volunteer Map Editor with USGS**

PROFESSIONAL **AIS, ACM, AAAI**  
MEMBERSHIPS