

My research spans the interdisciplinary areas of computational social science, social computing, and fairness, accountability, transparency, and ethics in AI (FATE). By complementing multimodal sensing data with social media, I adopt methods from machine learning, statistics, natural language, and causal inference analysis to examine wellbeing. A stream of my research focuses on wellbeing in situated contexts, such as college campuses and workplaces. I am interested in the in-practice utility and ecological validity of sensing technologies. Because these technologies can impact our lives in unintended ways, I critically reflect and interrogate the necessity, benefits, and harms of these technologies. This enables rethinking the responsible design, development, and deployment of these technologies (if at all).

## Experience

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- Aug 2023 – **University of Illinois Urbana-Champaign, Urbana, Illinois, USA.**  
Assistant Professor (Tenure-Track), Siebel School of Computing and Data Science, The Grainger College of Engineering.  
Affiliate Faculty, School of Information Sciences (iSchool).  
Affiliate Faculty, Coordinated Science Lab (CSL), Health Care Engineering Systems Center (HCESC).
- Jun 2023 – **University of Illinois Urbana-Champaign, Urbana, Illinois, USA.**  
Aug 2023 Assistant Professor (Adjunct), Department of Computer Science, The Grainger College of Engineering.
- Oct 2021 – **Microsoft Research, Montreal, Quebec, Canada.**  
Feb 2023 Senior Researcher, Fairness, Accountability, Transparency, and Ethics in AI (FATE).
- Aug 2016 – **Georgia Institute of Technology, Atlanta, Georgia, USA.**  
May 2021 Graduate Research Assistant, School of Interactive Computing, College of Computing.
- May 2020 – **Snap Research, Santa Monica, California, USA.**  
Aug 2020 Research Intern, with Maarten Bos in the Computational Social Science team.
- May 2019 – **Microsoft Research, Bangalore, Karnataka, India.**  
Aug 2019 Research Intern with Amit Sharma at MSR India.
- May 2018 – **Max Planck for Software Systems (MPI-SWS), Saarbrücken, Saarland, Germany.**  
Jul 2018 Visiting Scholar with Krishna Gummadi in the Networked Systems Group.
- May 2017 – **Fred Hutchinson Cancer Research Center, Seattle, Washington, USA.**  
Jul 2017 Graduate Research Intern with Naveen Ashish at Hutch Data Commonwealth.
- Dec 2012 – **Abzooba, Kolkata, West Bengal, India.**  
Aug 2016 Senior Researcher, Abzooba X, NLP & Data Sciences R&D.
- Sep 2013 – **Praxis Business School, Kolkata, West Bengal, India.**  
Jul 2014 Visiting Faculty Member
- Aug 2012 – **Infosys, Bangalore, Karnataka, India.**  
Nov 2012 Junior Research Associate, Infosys Labs.
- May 2011 – **Siemens, Bangalore, Karnataka, India.**  
Jul 2011 Research Intern with Sohini Sengupta at Siemens Corporate Technologies R&D

## Education

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- 2016–2021 **Doctor of Philosophy (Ph.D.), Computer Science.**  
School of Interactive Computing, College of Computing, Georgia Institute of Technology **GPA:** 4.0/4.0  
**Doctoral Minor:** Computational Social Science and International Affairs  
**Committee:** Munmun De Choudhury (Chair & Advisor), Gregory D. Abowd, Thomas Plötz, Emre Kıcıman, Gloria Mark  
**Dissertation\***: Computational and Causal Approaches on Social Media and Multimodal Sensing Data: Examining Wellbeing in Situated Contexts  
\* Awarded Outstanding Doctoral Dissertation Award by the College of Computing, Georgia Tech
- 2008–2012 **Bachelor of Technology (Hons.), Computer Science and Engineering.**  
Computer Science and Engineering, Indian Institute of Technology Kharagpur  
**Guide:** Sujoy Ghose | **B.Tech Project:** Ontology-based Semantic Information Retrieval

# Publications

[Google Scholar](#) | [DBLP](#) | [ACM DL](#) | [ResearchGate](#)

## Journal Articles

- J<sub>35</sub> 2025 **Saha, K.**, Yoo, D.W., Das Swain, V., & De Choudhury, M., & (2025). Mental Wellbeing Effects of Disclosing Life Events on Social Media. *Nature Scientific Reports* (Forthcoming).
- J<sub>34</sub> 2025 **Saha, K.**, Shi, J.M., Wang, K., Yoo, D.W., Karkar, R., & (2025). Balancing Caregiving and Self-Care: Exploring Mental Health Needs of Alzheimer's and Dementia Caregivers. *Proceedings of the ACM on Human-Computer Interaction, (CSCW)* (Forthcoming).
- J<sub>33</sub> 2025 **Saha, K.**, Jain, Y., Liu, C., Kaliappan, S., & Karkar, R. (2025). AI vs. Humans for Online Support: Comparing the Language of Responses from LLMs and Online Communities of Alzheimer's Disease *ACM Transactions on Computing for Healthcare*, [Link](#).
- J<sub>32</sub> 2025 **Saha, K.**, Kaliappan, S., Liu, C., Jain, Y., Karkar, R., & (2025). Online Communities as a Support System for Alzheimer's Disease and Dementia Care: Large-Scale Exploratory Study *JMIR Aging*, [Link](#).
- J<sub>31</sub> 2024 **Saha, K.**, Suh, J., Howe, E., Lewis, R., Hernandez, J., Althoff, T., & Czerwinski, M. (2024). Toward Tailoring Just-in-time Adaptive Intervention Systems for Workplace Stress Reduction. *JMIR Mental Health*; 11 (2024), e48974, [Link](#).
- J<sub>30</sub> 2024 **Saha, K.**, Suh, J., Pendse, S., Lewis, R., Howe, E., Okoli, E., Amores, J., Ramos, G., Shen, J., Borghouts, J., Sharma, A., Pedrelli, P., Friedman, L., Jackman, C., Benhalim, Y., Ong, D., Segal, S., Althoff, T., & Czerwinski, M. (2024). Rethinking Technology Innovation for Mental Health: Framework for Multi-Sectoral Collaboration. *Nature Mental Health*.
- J<sub>29</sub> 2024 **Saha, K.**, Sefidgar, Y. S., Jörke, M., Suh, J., Iqbal, S. T., Ramos, G., & Czerwinski, M. (2024). Improving Work-Nonwork Balance with Data-Driven Implementation Intention and Mental Contrasting. *Proceedings of the ACM on Human-Computer Interaction*, 8, (CSCW1), 74, [PDF](#).
- J<sub>28</sub> 2023 **Saha, K.**, Kawakami, A., Chowdhary, S., Iqbal, S. T., Liao, Q. V., Olteanu, A., Suh, J., & (2023). Sensing Wellbeing in the Workplace, Why and For Whom? Envisioning Impacts with Organizational Stakeholders. *Proceedings of the ACM on Human-Computer Interaction*, 7, (CSCW2), 358, [PDF](#).
- J<sub>27</sub> 2023 **Saha, K.**, Kim, M., De Choudhury, M., & Choi, D. (2023). Supporters First: Understanding Online Social Support on Mental Health from a Supporter Perspective. In *Proceedings of the ACM on Human-Computer Interaction*, 7, (CSCW1), 92, [PDF](#).
- J<sub>26</sub> 2023 **Saha, K.**, Ehsan, U., De Choudhury, M., & Riedl, M. O. (2023). Charting the Sociotechnical Gap in Explainable AI: A Framework to Address the Gap in XAI. In *Proceedings of the ACM on Human-Computer Interaction*, 7, (CSCW1), 34, [Link](#).
- J<sub>25</sub> 2023 **Saha, K.**, Cascalheira, C. J., Flinn, R. E., Zhao, Y., Klooster, D., Laparade, D., Hamdi, S. M., Scheer, J. R., Gonzalez, A., Lund, E. M., Gomez, I. N., & De Choudhury, M. (2023). Modeling gender dysphoria with machine learning and natural language processing: Implications for technology-delivered interventions. *JMIR Formative Research*.
- J<sub>24</sub> 2023 **Saha, K.**, O'Hanlon R\*, Altice FL, Lee R, LaViolette J, Mark, G, Papakyriakopoulos, O, De Choudhury M, & Kumar N (2023). Misogynistic Extremism: A Scoping Review. *Trauma, Violence, & Abuse*, [Link](#).
- J<sub>23</sub> 2022 **Saha, K.**, Yousuf, A., Boyd, R. L., Pennebaker, J. W., & De Choudhury, M. (2022). Social Media Discussions Predict Mental Health Consultations on College Campuses. *Nature Scientific Reports*, 12:123, [Link](#).
- J<sub>22</sub> 2022 **Saha, K.**, Bin Morshed, M., Kulkarni, S. S., Li, R., Roper, L. G., Nachman, L., Lu, H., de Barbaro, K., De Choudhury, M., Ploetz, T., & Abowd, G. D. (2022). Food, Mood, Context: Examining College Students' Eating Context and Mental Well-being. *ACM Transactions on Computing for Healthcare*, [Link](#).
- J<sub>21</sub> 2022 **Saha, K.**, Zhou, J., Lòpez, I., Deeter, C. R., Yoo, D. Y., De Choudhury, M., & Arriaga, R. (2022). Veteran Critical Theory as a Lens to Understand Veterans' Needs and Social Support on Social Media. In *Proceedings of the ACM on Human-Computer Interaction*, 6, (CSCW1), 133, [PDF](#).
- J<sub>20</sub> 2022 **Saha, K.**, Kumar, N., Corpus, I., Hans, M., Harle, N., Yang, N., McDonald, C., Sakai, S. N., Janmohamed, K. A., Chen, K., Altice, F. L., Tang, W., Schwartz, J. L., Jones-Jang, S. M., Memon, S. A., Bauch, C. T., De Choudhury, M., Papakyriakopoulos, O., Tucker, J. D., Goyal, A., Tyagi, A., Khoshnood, K., Omer, S. (2022). COVID-19 vaccine perceptions in the initial phases of US vaccine roll-out: an observational study on Reddit. *BMC Public Health* (2022), 22:446, [Link](#).
- J<sub>19</sub> 2021 **Saha, K.**, Torous, J., Kiciman, E., & De Choudhury, M. (2021). Understanding Side Effects of Antidepressants: Large-scale Longitudinal Study on Social Media Data. *JMIR Mental Health*; 8 (3), [Link](#).
- J<sub>18</sub> 2021 **Saha, K.\***, Grover, T.\*, Mattingly, S. M., Das Swain, V., Gupta, P., Martinez, G. J., Robles-Granda, P., Mark, G., Striegel, A., & De Choudhury, M. (2020). Person-Centered Predictions of Psychological Constructs with Social Media Contextualized by Multimodal Sensing. In *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 5, (1), 32, (\* co-primary authors), Presented at UbiComp 2021, [PDF](#).

- J<sub>17</sub> 2021 PACM HCI: CSCW **Saha, K.**, Yousuf, A., Hickman, L., Gupta, P., Tay, L., & De Choudhury, M. (2021). A Social Media Study on Demographic Differences in Perceived Job Satisfaction. In Proceedings of the ACM on Human-Computer Interaction, 5, (CSCW1), 167, [PDF](#).
- J<sub>16</sub> 2021 Nature HSSC ElSherief, M., **Saha, K.**, Gupta, P., Mishra, S., Seybolt, J., Xie, J., O'Toole, M., Burd-Sharps, S., & De Choudhury, M. (2021). Impacts of School Drills on the Psychological Well-being of American K-12 School Communities: A Social Media Study. Nature Humanities and Social Sciences Communications, [Link](#).
- J<sub>15</sub> 2021 PACM HCI: CSCW Gong, C., **Saha, K.**, & Chancellor, S. (2021). "The Smartest Decision for My Future": Social Media Reveals Challenges and Stress During Post-College Life Transition. In Proceedings of the ACM on Human-Computer Interaction, 5, (CSCW2), 298, [PDF](#).
- J<sub>14</sub> 2021 JMIR mHealth & uHealth Martinez, G.J., Mattingly, S. M., Robles-Granda, P., **Saha, K.**, Sirigiri, A., Young, J., Chawla, N. V., De Choudhury, M., D'Mello, S. K., Mark, G., & Striegel, A. (2021). Predicting Participant Compliance with Fitness Tracker Wearing and EMA Protocols in Information Workers: An Observational Study. Journal of Medical Internet Research mHealth and uHealth; 9(11), [Link](#).
- J<sub>13</sub> 2021 IEEE Pervasive Computing Mirjafari, S., Nepal, S. K., Bagherinezhad, H., Martinez, G. J., **Saha, K.**, Obuchi, M., Audia, P., Chawla, N. V., Dey, A. K., Striegel, A., & Campbell, A. T. (2021). Predicting Job Performance Using Mobile Sensing. IEEE Pervasive Computing, [Link](#).
- J<sub>12</sub> 2021 IEEE Comp. Intel. Magazine Robles-Granda, P., Lin, S., Wu, X., Campbell, A. T., De Choudhury, M., Dey, A.K., D'Mello, S. K., Gregg, J. M., Grover, T., Mark, G., Martinez, G. J., Masaba, K., Mattingly, S. M., Mirjafari, S., Moskal, E., Nies, K., **Saha, K.**, Striegel, A., & Chawla, N. V. (2021). Jointly Modeling and Predicting Job Performance, Personality, and Well-Being. In IEEE Computational Intelligence Magazine, 16 (2), [Link](#).
- J<sub>11</sub> 2020 JMIR **Saha, K.**, Torous, J., Caine, E. D., & De Choudhury, M. (2020). Psychosocial Effects of the COVID-19 Pandemic: Large-scale Quasi-Experimental Study on Social Media. Journal of Medical Internet Research (JMIR), 22(11), e22600, [Link](#).
- J<sub>10</sub> 2020 JMIR mHealth & uHealth Bin Morshed, M., Kulkarni, S. S., Li, R., **Saha, K.**, Nachman, L., Lu, H., Galante, L., Srivastava, S., Mirabella, L., De Choudhury, M., de Barbaro, K., Ploetz, T., & Abowd, G. D. (2020). A Real-Time Eating Detection System for Capturing Eating Moments and Triggering EMAs to Collect Further Context. Journal of Medical Internet Research mHealth and uHealth, [Link](#).
- J<sub>9</sub> 2019 PACM HCI: CSCW **Saha, K.**, Reddy, M. D., Mattingly, S. M., Moskal, E., Sirigiri, A., & De Choudhury, M., (2019). LibRA: On LinkedIn based Role Ambiguity and Its Relationship with Wellbeing and Job Performance. In Proceedings of the ACM on Human-Computer Interaction (PACM HCI), 3, (CSCW), 137., Presented at CSCW 2019, [PDF](#).
- J<sub>8</sub> 2019 PACM HCI: CSCW **Saha, K.**, Kim, S.C., Reddy, M. D., Carter, A.J., Sharma, E., Haimson, O.L., & De Choudhury M., (2019). The Language of LGBTQ+ Minority Stress Experiences on Social Media. In Proceedings of the ACM on Human-Computer Interaction (PACM HCI), 3, (CSCW), 89., Presented at CSCW 2019, [PDF](#).
- J<sub>7</sub> 2019 PACM IMWUT Das Swain, V., **Saha, K.**, Rajvanshy, H., Sirigiri, A., Gregg, J.M., Lin, S., Martinez, G.J, Mattingly, S. M., Mirjafari, S., Mulukutla, R., Nies, K.A., Reddy, M. D., Robles-Granda, P., Campbell, A.T., Chawla, N.V., D'Mello, S.K., Dey, A. K., Jiang, K., Liu, Q., Mark, G., Moskal, E., Striegel, A., Tay, L., Abowd, G. D., & De Choudhury, M (2019). A Multisensor Person-Centered Approach to Understand the Role of Daily Activities in Job Performance with Organizational Personas. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 3,(4),130., (Non first four authors are listed alphabetically), [PDF](#).
- J<sub>6</sub> 2019 PACM IMWUT Bin Morshed, M., **Saha, K.**, Li, R., D'Mello, S.K., De Choudhury, M., Abowd, G. D., & Ploetz, T., (2019). Prediction of Mood Instability with Passive Sensing. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 3,(3),75., [PDF](#).
- J<sub>5</sub> 2019 TBM **Saha, K.\***, Torous, J.\*, Ernala, S.K., Rizuto, C., Stafford, A., & De Choudhury, M. (2019). A Computational Study of Mental Health Awareness Campaigns on Social Media. Translational Behavioral Medicine, 9(6), (\* co-primary authors), [Link](#).
- J<sub>4</sub> 2019 PACM IMWUT Mirjafari, S., Masaba, K., Grover, T., Wang, W., Audia, P., Campbell, A.T., Chawla, N.V., Das Swain, V., De Choudhury, M., D'Mello, S.K., Dey, A.K., Gao, G., Gregg, J.M., Grover, T., Jagannath, K., Jiang, K., Lin, S., Liu, Q., Mark, G., Martinez, G.J, Mattingly, S. M., Moskal, E., Mulukutla, R., Nepal, S., Nies, K.A., Reddy, M. D., Robles-Granda, P., **Saha, K.**, Sirigiri, A., & Striegel, A., (2019). Differentiating Higher and Lower Job Performers in the Workplace using Mobile Sensing. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 3, (2), 37, (Non first four authors are listed alphabetically), [PDF](#).
- J<sub>3</sub> 2018 PACM HCI: CSCW **Saha, K.**, & De Choudhury, M. (2017). Modeling Stress with Social Media Around Incidents of Gun Violence on College Campuses. In Proceedings of the ACM on Human-Computer Interaction, 1, (CSCW), 92., Presented at CSCW 2018, [PDF](#).
- J<sub>2</sub> 2017 PACM IMWUT **Saha, K.**, Chan, L., de Barbaro, K., Abowd, G. D., & De Choudhury, M. (2017). Inferring Mood Instability on Social Media by Leveraging Ecological Momentary Assessments. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, 1, (3), 95., Presented at UbiComp 2017, [PDF](#).
- J<sub>1</sub> 2017 JMIR **Saha, K.**, Weber, I., Birnbaum, M.L., & De Choudhury, M. (2017). Characterizing Awareness of Schizophrenia Among Facebook Users by Leveraging Facebook Advertisement Estimates. Journal of Medical Internet Research, 19(5)., Presented at Mental Health Symposium, CHI 2017, [Link](#).

## Refereed Conference Papers

- C<sub>41</sub> 2025 NAACL Zhan, X., Goyal, A., Chen, Y., Chandrasekharan, E., & **Saha, K.** (2025). SLM-Mod: Small Language Models Surpass LLMs at Content Moderation Proceedings of the Annual Conference of the Nations of the Americas Chapter of the Association for Computational Linguistics (NAACL), Main Conference, [Link](#).

- C<sub>40</sub> 2025 CHI Swain, V. D., Zhong, Q., Parekh, J.R., Jeon, Y., Zimmerman, R., Czerwinski, M., Suh, J., Mishra, V., **Saha, K.**, & Hernandez, J. (2025). AI on My Shoulder: Supporting Emotional Labor in Front-Office Roles with an LLM-based Empathetic Coworker In Proceedings of the CHI Conference on Human Factors in Computing Systems, [Link](#).
- C<sub>39</sub> 2025 CHI Lambert, C., **Saha, K.**, & Chandrasekharan, E. (2025). Does Positive Reinforcement Work?: A Quasi-Experimental Study of the Effects of Positive Feedback on Reddit. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [Link](#).
- C<sub>38</sub> 2025 ICWSM **Saha, K.**, Kotakonda, B., & De Choudhury, M. (2025). Mental Health Impact of the COVID-19 Pandemic on College Students: A Quasi-Experimental Study on Social Media. Proceedings of the International AAAI Conference on Web and Social Media, [PDF](#).
- C<sub>37</sub> 2025 ICWSM Arunasalam, A., Tong, J., Farrukh, H., Ozmen, M.O., **Saha, K.**, & Celik, Z.B. (2025). Deceptive Sound Therapy on Online Platforms: Do Mental Wellbeing Tracks Conform to User Expectations?. Proceedings of the International AAAI Conference on Web and Social Media.
- C<sub>36</sub> 2025 WebSci Li, W., Lai, Y., Soni, S., & **Saha, K.** (2025). Emails by LLMs: A Comparison of Language in AI-Generated and Human-Written Emails. Proceedings of the 17th ACM Conference on Web Science (WebSci), [PDF](#).
- C<sub>35</sub> 2025 HCII Nepal, S., Martinez, G.J., Pillai, A., **Saha, K.**, Mirjafari, S., Das Swain, V., Xu, X., Audia, P.G., De Choudhury, M., Dey, A.K., Striegel, A., & Campbell, A. T. (2025). A Survey of Passive Sensing in the Workplace. In 27th International Conference on Human-Computer Interaction, Springer LNCS, [Link](#).
- C<sub>34</sub> 2024 ACM CHI **Saha, K.**, Gupta, P., Mark, G., Kiciman, E., & De Choudhury, M. (2024). Observer Effect in Social Media Use. In Proceedings of the CHI Conference on Human Factors in Computing Systems, **Best Paper Honorable Mention Award**, [PDF](#).
- C<sub>33</sub> 2024 ACM CHI Jhaver, S., Rath, H., & **Saha, K.** (2024). Bystanders of Online Moderation: Examining the Effects of Witnessing Post-Removal Explanations. In Proceedings of the CHI Conference on Human Factors in Computing Systems.
- C<sub>32</sub> 2024 ACM CHIWORK Das Swain, V. & **Saha, K.** (2024). Teacher, Trainer, Counsel, Spy: How Generative AI can Bridge or Widen the Gaps in Worker-Centric Digital Phenotyping of Wellbeing? In 2024 CHIWORK Symposium on Human-Computer Interaction for Work.
- C<sub>31</sub> 2024 ACM CHI LBW Kolla, M., Salunkhe, S., Chandrasekharan, E., & **Saha, K.** (2024). LLM-Mod: Can Large Language Models Assist Content Moderation? Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems Extended Abstracts, [PDF](#).
- C<sub>30</sub> 2023 ACM FAccT Chowdhary, S., Kawakami, A., Gray, M. L., Suh, J., Olteanu, A., & **Saha, K.** (2023). Can Workers Meaningfully Consent to Workplace Wellbeing Technologies? Proceedings of the ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT) 2023, [Link](#).
- C<sub>29</sub> 2023 ACM TheWebConf Yuan, Y., **Saha, K.**, Keller, B., Isometsä, E., Aledavood, T. (2023). Mental Health Coping Stories on Social Media: A Causal-Inference Study of Papageno Effect. In Proceedings of the ACM Web Conference 2023 (WWW), [Link](#).
- C<sub>28</sub> 2023 ACM CHIWORK **Saha, K.**, & Iqbal, S. T., (2023). Focus Time: Effectiveness of Computer Assisted Protected Time for Wellbeing and Work Engagement of Information Workers. In 2023 CHIWORK Symposium on Human-Computer Interaction for Work, [Link](#).
- C<sub>27</sub> 2023 ACM CHI Das Swain, V., Hernandez, J., Houck, B., **Saha, K.**, Suh, J., Chaudhry, A., Cho, T., Guo, W., Iqbal, S. T., Czerwinski, M. (2023). Focused Time Saves Nine: Evaluating Computer-Assisted Protected Time for Hybrid Information Work In Proceedings of the CHI Conference on Human Factors in Computing Systems, [PDF](#).
- C<sub>26</sub> 2023 IC2S2 Yuan, Y., **Saha, K.**, Keller, B., Isometsä, E., Aledavood, T. (2023). Does Papageno Effect Occur on Social Media In 9th International Conference on Computational Social Science (IC2S2), [PDF](#).
- C<sub>25</sub> 2023 ACM CHI LBW **Saha, K.**, & Iqbal, S. T., (2023). Focus Time for Wellbeing and Work Engagement of Information Workers. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems Extended Abstracts, [PDF](#).
- C<sub>24</sub> 2023 ACM CHI Case Study Sefidgar, Y. S., Jörke, M., Suh, J., **Saha, K.**, Iqbal, S. T., Ramos, G., Czerwinski, M. (2023). Lessons Learned for Data-Driven Implementation Intentions with Mental Contrasting In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems Extended Abstracts, [PDF](#).
- C<sub>23</sub> 2023 AAAI ICWSM Chen, K., Babaeianjelodar, M., Shi, Y., Janmohamed, K., Sarkar, R., Weber, I., Davidson, T., De Choudhury, M., Huang, J., Yadav, S., Khudabuksh, A., Bauch, C., Nakov, P., Papakyriakopoulos, O., **Saha, K.**, Khoshnood, K., & Kumar, N. (2023). Partisan US News Media Representations of Syrian Refugees. Proceedings of the 16th International AAAI Conference on Web and Social Media (ICWSM), [Link](#).
- C<sub>22</sub> 2023 ACM BCB Goyal, A, Parekh, N, Yin Cheung, L, **Saha, K.**, Altice, F. L., O’hanlon, R, Ho Chun Man, R, Fong, C, Poellabauer, C, Guarino, H, Gelabert, P. M., & Kumar, N. (2023). Predicting Opioid Use Outcomes in Minoritized Communities. Proceedings of the 14th ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (BCB), [Link](#).
- C<sub>21</sub> 2022 ICWSM Cascalheira, C. J., Hamdi, S. M., Scheer, J. R., **Saha, K.**, Boubrahimi, S. F., & De Choudhury, M. (2022). Classifying minority stress disclosure on social media with bidirectional long short-term memory. Proceedings of the 15th International AAAI Conference on Web and Social Media (ICWSM), [PDF](#).
- C<sub>20</sub> 2022 CSoNet Chen, K., Feng, A., Aanegola, R., **Saha, K.**, Wong, A., Schwitzky, Z., Lee, R., O’Hanlon, R., De Choudhury, M., Altice, F. L., Khoshnood, K., & Kumar, N. (2022). Categorizing Memes about the Ukraine Conflict. The 11th International Conference on Computational Data and Social Networks (CSoNet).



- C<sub>19</sub> 2021 ACM CHI **Saha, K.**, Seybolt, J., Mattingly, S. M., Aledavood, T., Konjeti, C., Martinez, G. J., Grover, T., Mark, G., & De Choudhury, M. (2021). What Life Events are Disclosed on Social Media, How, When, and By Whom? In Proceedings of the CHI Conference on Human Factors in Computing Systems, [PDF](#).
- C<sub>18</sub> 2021 ACM CHI **Saha, K.**, Liu, Y., Vincent, N., Chowdhury, F. A., Neves, L., Shah, N., & Bos, M. W. (2021). AdverTiming Matters: Examining User Ad Consumption for Effective Ad Reallocations on Social Media. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [PDF](#).
- C<sub>17</sub> 2021 ACM CHI Wang, Q., **Saha, K.**, Gregori, E., Joyner, D., & Goel, A. K. (2021). Towards Mutual Theory of Mind in Human-AI Interaction: How Language Reflects What Students Perceive About a Virtual Teaching Assistant. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [PDF](#).
- C<sub>16</sub> 2021 AAAI ICWSM Chowdhury, F. A., Liu, Y., **Saha, K.**, Vincent, N., Neves, L., Shah, N., & Bos, M. W. (2021). CEAM: The Effectiveness of Cyclic and Ephemeral Attention Models of User Behavior on Social Platforms. In Proceedings of the 15<sup>th</sup> International AAAI Conference on Web and Social Media, [PDF](#).
- C<sub>15</sub> 2021 ASONAM Chowdhury, F. A., Saha, D., Hasan, M. R., **Saha, K.**, & Mueen, A. (2021). Examining Factors Associated with Twitter Account Suspension Following the 2020 U.S. Presidential Election. Proceedings of the 2021 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, [PDF](#).
- C<sub>14</sub> 2020 IEEE CogMI Das Swain, V.\*, **Saha, K.\***, Abowd, G. D., & De Choudhury, M. (2020). Social Media and Ubiquitous Technologies for Assessing Remote Worker Wellbeing and Productivity in a Post-Pandemic World. Proceedings of the 2020 IEEE Second International Conference on Cognitive Machine Intelligence (CogMI), (\* co-primary authors).
- C<sub>13</sub> 2020 AAAI ICWSM **Saha, K.**, & Sharma, A. (2020). Causal Factors of Effective Psychosocial Outcomes in Online Mental Health Communities. Proceedings of the 14<sup>th</sup> International AAAI Conference on Web and Social Media., Presented at ICWSM 2020, [PDF](#).
- C<sub>12</sub> 2020 ACM CHI Das Swain, V.\*, **Saha, K.\***, Reddy, M. D., Rajvanshy, H., Abowd, G. D., & De Choudhury, M. (2020). Modeling Organizational Culture with Workplace Experiences Shared on Glassdoor. Proceedings of the CHI Conference on Human Factors in Computing Systems, (\* co-primary authors), Video Presented for CHI 2020, [PDF](#).
- C<sub>11</sub> 2020 EAI Pervasive Health Bin Morshed, M.\*, **Saha, K.\***, De Choudhury, M., Abowd, G. D., & Ploetz, T., (2020). Modeling Self-Esteem with Passive Sensing. In Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare, (\* co-primary authors), Video Presented for PervasiveHealth 2020, [PDF](#).
- C<sub>10</sub> 2020 HCII **Saha, K.**, Ernala, S. K., Dutta, S., Sharma, E., & De Choudhury, M. (2020). Understanding Moderation in Online Mental Health Communities. In 22<sup>nd</sup> International Conference on Human-Computer Interaction, Springer LNCS, Presented at HCII 2020, [PDF](#).
- C<sub>9</sub> 2019 AAAI ICWSM **Saha, K.**, Sugar, B., Torous, J., Abrahao, B., Kiciman, E., & De Choudhury, M. (2019). A Social Media Study on The Effects of Psychiatric Medication Use. In Proceedings of the 13<sup>th</sup> International AAAI Conference on Web and Social Media., Presented at ICWSM 2019, [Outstanding Study Design Paper](#), [PDF](#).
- C<sub>8</sub> 2019 ACM WebSci **Saha, K.**, Chandrasekharan, E., & De Choudhury, M. (2019). Prevalence and Psychological Effects of Hateful Speech in Online College Communities. In Proceedings of the 11<sup>th</sup> ACM Conference on Web Science, Presented at WebSci 2019, [PDF](#).
- C<sub>7</sub> 2019 ACII **Saha, K.**, Reddy, M. D., Das Swain, V., Gregg, J.M., Grover, T., Lin, S., Martinez, G.J., Mattingly, S. M., Mirjafari, S., Mulukutla, R., Nies, K., Robles-Granda, P., Sirigiri, A., Yoo, D.W., Audia, P., Campbell, A.T., Chawla, N.V., D'Mello, S.K., Dey, A.K., Jiang, K., Liu, Q., Mark, G., Moskal, E., Striegel, A., & De Choudhury, M. (2019). Imputing Missing Social Media Data Streams in Multisensor Studies of Human Behavior. In Proceedings of the 8<sup>th</sup> International Conference on Affective Computing and Intelligent Interaction (ACII), (Non *first three* authors are listed alphabetically), Presented at ACII 2019, [PDF](#).
- C<sub>6</sub> 2019 ACM CHI Case Study **Saha, K.**, Bayraktaraglu, A.E., Campbell, A.T., Chawla, N.V., De Choudhury, M., D'Mello, S.K., Dey, A.K., Gao, G., Gregg, J.M., Jagannath, K., Mark, G., Martinez, G.J, Mattingly, S. M., Moskal, E., Sirigiri, A., Striegel, A., & Yoo, D. W., (2019). Social Media as a Passive Sensor in Longitudinal Studies of Human Behavior and Wellbeing. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems Extended Abstracts, (Non *first* authors are listed alphabetically), Presented at CHI 2019, [PDF](#).
- C<sub>5</sub> 2019 ACM CHI Case Study Mattingly, S. M., Gregg, J.M., Audia, P., Bayraktaraglu, A.E., Campbell, A. T., Chawla, N.V, Das Swain, V., De Choudhury, M., D'Mello, S.K., Dey, A.K., Gao, G., Jagannath, K., Jiang, K., Lin, S., Liu, Q., Mark, G., Martinez, G.J, Masaba, K., Mirjafari, S., Moskal, E., Mulukutla, R., Nies, K., Reddy, M. D., Robles-Granda, P., **Saha, K.**, Sirigiri, A., & Striegel, A., (2019). The Tesseract Project: Large-Scale, Longitudinal, *In Situ*, Multimodal Sensing of Information Workers. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems Extended Abstracts, (Non *first two* authors are listed alphabetically), [PDF](#).
- C<sub>4</sub> 2019 ACM FAT\* Ribeiro, F. N.\*, **Saha, K.\***, Babaei, M., Henrique, L., Messias, J., Benevenuto, F., Goga, O., Gummadi, K. P., & Redmiles, E. M. (2019). On Microtargeting Socially Divisive Ads: A Case Study of Russia-Linked Ad Campaigns on Facebook. In Proceedings of the 2<sup>nd</sup> ACM Conference on Fairness, Accountability, and Transparency (FAT\*), (\* co-primary authors), Presented at FAT\* 2019, [PDF](#).
- C<sub>3</sub> 2019 SocInfo **Saha, K.**, Reddy, M. D., & De Choudhury M., (2019). JobLex: A Lexico-Semantic Knowledgebase of Occupational Information Descriptors. 11th International Conference on Social Informatics (SocInfo), [PDF](#).
- C<sub>2</sub> 2018 AAAI ICWSM **Saha, K.**, Weber, I, & De Choudhury, M. (2018). A Social Media Based Examination of the Effects of Counseling Recommendations After Student Deaths on College Campuses. In Proceedings of the 12<sup>th</sup> International AAAI Conference on Web and Social Media., Presented at ICWSM 2018, [PDF](#).

C<sub>1</sub> 2017 ACM CSS Sharma, E.\*, **Saha, K.\***, Ernala, S.K.\*, Ghoshal, S.\*, & De Choudhury, M. (2017). Analyzing Ideological Discourse on Social Media: A Case Study on the Abortion Discourse. Proceedings of the 2017 International Conference of The Computational Social Science Society of the Americas (CSS), (\* co-primary authors), [PDF](#).

## Refereed Posters, Workshop Articles and Presentations & Invited Articles and Book Chapters

- P<sub>4</sub> 2024 CSCW Poster Lambert, C., Jain, Y., **Saha, K.**, & Chandrasekharan, E. (2024). Investigating How Gilds Were Employed on Reddit. Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), [Link](#).
- P<sub>3</sub> 2024 CSCW Poster Arunasalam, A., Tong, J., Farrukh, H., Ozmen, M.O., **Saha, K.**, & Celik, Z.B. (2024). Expectation Conformance in Online Sound Therapy: Designing Tools for Users of Mental Wellbeing Applications. Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), [Link](#).
- P<sub>2</sub> 2024 CSCW Poster Ligo, V.A.C., Cheung, L.Y., Lee, R.K.W, **Saha, K.**, Tandoc, E., & Kumar, N. (2024). Analyzing user archetypes in Singapore's Telegram groups on COVID-19 and climate change. Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing (CSCW).
- P<sub>1</sub> 2024 ICWSM Dataset Cascalheira, C.J., Chapagain, S., Flinn, R.E., Klooster, D., Laprade, D., Zhao, Y., Lund, E.M., Gonzalez, A., Corro, K., Wheatley, R., Gutierrez, A., Garcia Villanueva, O., **Saha, K.**, De Choudhury, M., Scheer, J.R., & Hamdi, S.M. (2024). The LGBTQ+ Minority Stress on Social Media (MiSSoM) Dataset: A Labeled Dataset for Natural Language Processing and Machine Learning. Proceedings of the International AAAI Conference on Web and Social Media, [Link](#).
- E<sub>1</sub> 2023 Editorial **Saha, K.**, Jaidka, K., Kim, J., & Suh, J. (2023). Digital Mental Health and Wellbeing under Crisis. Topic Proposal at Frontiers in Digital Health.
- W<sub>14</sub> 2023 mWell, ACII Haresamudram, H., Suh, J., Hernandez, J., Butler, J., Chaudhry, A., Yang, L., **Saha, K.**, & Czerwinski, M. (2023). Investigating Self-supervised Learning for Predicting Stress and Stressors from Passive Sensing. Affective Computing for Mental Wellbeing (mWell), collocated with ACII 2023.
- W<sub>13</sub> 2023 mWell, ACII Suh, J., Hernandez, J., **Saha, K.**, Dixon, K., Bin Morshed, M., Howe, E., Kawakami, A., & Czerwinski, M. (2023). Towards Successful Deployment of Wellbeing Sensing Technologies: Identifying Misalignments across Contextual Boundaries. Affective Computing for Mental Wellbeing (mWell), collocated with ACII 2023.
- W<sub>12</sub> 2023 PhoMemes, AAAI ICWSM Nainani, Y., Khoshnood, K., Feng, A., Siddique, M., Broekaert, C., Wong, A., **Saha, K.**, Lee, R. K., Schwitzky, Z., Cheung, L. Y., Altice, F. L., & Kumar, N. (2023). Categorizing Memes about Abortion. Second Workshop on Images in Online Political Communication, collocated with ICWSM 2023.
- W<sub>11</sub> 2022 MSR Montreal Kawakami, A., Liao, Q. V., Olteanu, A., & **Saha, K.** (2022). Multi-stakeholder Attitudes Towards Wellbeing Sensing Technologies in the Workplace: Developing a Taxonomy of Harms. MSR Montreal Poster Session.
- W<sub>11</sub> 2022 SCP **Saha, K.**, Liu, Y., Vincent, N., Chowdhury, F. A., Neves, L., Shah, N., & Bos, M. W. (2022). AdverTiming Matters. Society for Consumer Psychology, [PDF](#).
- M<sub>1</sub> 2021 XRDS **Saha, K.** and De Choudhury, M. (2021). Assessing the Mental Health of College Students by Leveraging Social Media Data. ACM XRDS, [PDF](#).
- DC 2020 CSCW DC **Saha, K.** (2020). Computational and Causal Examinations of Wellbeing in Situated Contexts by Leveraging Social Media and Multimodal Data. In CSCW 2020 Doctoral Consortium, [PDF](#).
- W<sub>10</sub> 2020 New Future of Work Das Swain, V.\*, **Saha, K.\***, Abowd, G. D., & De Choudhury, M. (2020). Social and Ubiquitous Technologies for Future of Worker Wellbeing. In Microsoft Research Symposium on the New Future of Work, (\* co-primary authors), [In Highlighted Talks](#), [PDF](#).
- W<sub>9</sub> 2020 WristSense, IEEE PerCom  Martinez, G. J.\*, Mattingly, S. M.\*, Young, J., Faust, L., Dey, A.K., Campbell, A.T., De Choudhury, M., Mirjafari, S., Nepal, S., Robles-Granda, P., **Saha, K.**, & Striegel, A. (2019). Improved Sleep Detection Through the Fusion of Phone Agent and Wearable Data Streams. In WristSense 2020: Workshop on Sensing Systems and Applications Using Wrist Worn Smart Devices, collocated with IEEE PerCom, (\* co-primary authors), [Best Paper Honorable Mention](#), [PDF](#).
- W<sub>8</sub> 2020 APPAM O'Toole, M. J., Burd-Sharps, S., De Choudhury, M., ElSherif, M., **Saha, K.**, Gupta, P., Mishra, S., & Xie, J. (2020, November). Assessing the Impacts of Active Shooter Drills in Schools with Big Data. In 2020 APPAM Fall Research Conference. APPAM.
- W<sub>7</sub> 2019 ITU Kaleidoscope **Saha, K.**, Das Swain, V., Yoo, D. W., Abowd, G. D., & De Choudhury, M. (2019). Tesserae: Multimodal Sensing To Model Individual Differences and Job Performance at Workplaces. In ITU Kaleidoscope Demos 2019.
- W<sub>6</sub> 2019 ITU Kaleidoscope **Saha, K.\***, Moshed, M. B.\*, Moon, S., O'Connor, J., Das, S., Abowd, G. D., Ploetz, T., & De Choudhury, M. (2019). Understanding Health-Oriented Privacy Perceptions Regarding Ubiquitous Technology Use. In ITU Kaleidoscope Demos 2019, (\* co-primary authors).
- W<sub>5</sub> 2019 Norms, ICWSM **Saha, K.**, Chandrasekharan, E., & De Choudhury, M. (2019). Hateful Speech in Online College Communities. In Managing and Designing for Norms in Online Communities Workshop, collocated with ICWSM 2019, [PDF](#).
- W<sub>4</sub> 2019 ML, SIOP Hickman, L., **Saha, K.**, De Choudhury, M., & Tay, L. (2019). Automated Tracking of Components of Job Satisfaction via Text Mining of Twitter Data. In Machine Learning Symposium, collocated with Annual Society for Industrial and Organizational Psychology Conference (SIOP 2019), [PDF](#).

W<sub>3</sub> 2019 Future of Work, CHI Lin, S., Mattingly, S. M., Han, X., Audia, P., Campbell, A. T., Das Swain, V., De Choudhury, M., D'Mello, S.K., Dey, A.K., Gao, G., Gregg, J.M., Jagannath, K., Jiang, K., Liu, Q., Mark, G., Martinez, G.J., Masaba, K., Moskal, E., Mulukutla, R., Nies, K.A., Reddy, M. D., Robles-Granda, P., **Saha, K.**, Sirigiri, A., & Striegel, A., Chawla, N.V., (2019). Sensing Personality to Predict Job Performance. In the Future of Work Workshop, colocated with ACM CHI 2019, [PDF](#).

W<sub>2</sub> 2018 SMHealth, ICWSM **Saha, K.**, Ernala, S., Rizuto, C., Torous, J., & De Choudhury, M. (2018). A Study of Mental Health Awareness Campaigns on Social Media. In Social Media and Health (SMHealth) Workshop, colocated with ICWSM 2018.

W<sub>1</sub> 2017 MH, CHI **Saha, K.**, Weber, I., Birnbaum, M.L., and De Choudhury, M. (2017). Characterizing Awareness of Schizophrenia Among Facebook Users by Leveraging Facebook Advertisement Estimates. In Mental Health Symposium, colocated with CHI 2017.

## Under Review Submissions

U<sub>20</sub> 2025 Under Review Barve, S., Mao, A., Shi, J.M., Juneja, P., & **Saha, K.** (2025). Can we Debias Social Stereotypes in AI-Generated Images? Examining Text-to-Image Outputs and User Perceptions Under Review.

U<sub>19</sub> 2025 Under Review Shi, J.M., Wang, K., Yoo, D.W., Karkar, R., & **Saha, K.** (2025). Mapping Caregiver Needs to AI Chatbot Design: Strengths and Gaps in Mental Health Support for Alzheimer's and Dementia Caregivers. Under Review.

U<sub>18</sub> 2025 Under Review Shimgekar, S. R., Rodriguez, V. J., Bloom, P. A., Yoo, D. W., & **Saha, K.** (2025). Interpersonal Theory of Suicide as a Lens to Examine Suicidal Ideation in Online Spaces Under Review.

U<sub>17</sub> 2025 Under Review **Saha, K.**, Jain, Y., & De Choudhury, M. (2025). Linguistic Comparison of AI- and Human-Written Responses to Online Mental Health Queries Under Review.

U<sub>16</sub> 2025 Under Review **Saha, K.**, Yoo, D.W., Das Swain, V., & De Choudhury, M. (2025). Life Events as Predictors of Mental Health Outcomes Under Review.

U<sub>15</sub> 2025 Under Review Yoo, D.W., Shi, J., Rodriguez, V. J., & **Saha, K.** (2025). Values, Harms, and Design of AI Chatbots in Mental Health: Perspectives from Lived Experiences of Depression Under Review.

U<sub>14</sub> 2025 Under Review Chan, J., Choi, F., **Saha, K.**, & Chandrasekharan, E. (2025). Examining Algorithmic Curation on Social Media: An Empirical Audit of Reddit's r/popular Feed Under Review.

U<sub>13</sub> 2025 Under Review Kwon, S., Yoo, D. W., **Saha, K.**, Bardzell, S., & Kang, Y. (2025). Queering with Parents: Exploring Emotional and Relational Approaches to Misinformation through the Journeys of Queers' Parents Under Review.

U<sub>12</sub> 2024 Under Review Goyal, A., Man, R.H.C, Lee, R.K.W., **Saha, K.**, Altice, F.L., Poellabauer, C., Papakyriakopoulos, O., Cheung, L.Y., De Choudhury, M., Allagh, K., & Kumar, N. (2024). Using Voice Data to Facilitate Depression Risk Assessment in Primary Health Care. Under Review.

U<sub>11</sub> 2024 Under Review Zhang, H., Das Swain, V., Wang, L., Gao, N., Sheng, Y., Xu, X., Salim, F.D., **Saha, K.**, Dey, A.K., & Mankoff, J. (2023). Illuminating the Unseen: A Framework for Designing and Mitigating Context-induced Harms in Behavioral Sensing. Under Review.

U<sub>10</sub> 2024 Under Review Appling, S., Evans, H., **Saha, K.**, Sherill, M., & Arriaga, R. (2023). Beyond Triggered: Characterizing and Clinically Contextualizing Online PTSD Communities. Under Review.

U<sub>9</sub> 2023 Under Review Mahdavi-moghaddam, J., **Saha, K.**, Hui, J., Dillahun, T. W., & Bagheri, E., (2023). "I still think I am unqualified": A Social Media Lens on The Needs and Concerns of Information Workers. Under Review.

U<sub>7</sub> 2023 Under Review Kumar, N., Siddique, M., Altice, F. L., Cheung, L. Y., Chen, K., **Saha, K.**, Lee, R. K., Broekaert, C., Wong, A., & Schwitzky, Z. (2023). Fraudulent and Misinformative Products on Amazon Under Review.

U<sub>5</sub> 2022 Under Review Hickman, L., **Saha, K.**, Yousuf, A., De Choudhury, M., & Tay, L. (2022). Twitter-based Job Satisfaction: A Macro-Level Investigation of the Concurrent Validity of Expressions of Pay and Supervision Satisfaction. Under Review.

U<sub>4</sub> 2022 Under Review Vincent, N., Liu, Y., **Saha, K.**, Chowdhury, F. A., Neves, L., Shah, N., & Bos, M. W. (2021). Predicting User States with Anonymous Activity Streams. Under Review.

U<sub>2</sub> 2021 Under Review Thapa, S., Tay, L., **Saha, K.**, De Choudhury, M., & Das Swain, V. (2020). Do Affective Dynamic Features Predict Job Performance? Under Review.

U<sub>1</sub> 2019 Under Review Lin, S., Han, X., **Saha, K.**, Robles-Granda, P., & Chawla, N.V. (2019). M2Learn: A python library for multi-source data machine learning. Under Review.

## Dissertation

2021 Georgia Tech **Saha, K.** (2021). Computational and Causal Approaches on Social Media and Multimodal Sensing Data: Examining Wellbeing in Situated Contexts. Doctoral dissertation, Georgia Institute of Technology, [Link](#).

## Patents

- 2020 Bos, M. W., Liu, Y., **Saha, K.**, Shah, N., Neves, L., Vincent, N., & Chowdhury, F. A., Timing Advertising to User Receptivity (1)., *US Patent Filed, Dec'20.*
- 2020 Bos, M. W., Liu, Y., **Saha, K.**, Shah, N., Neves, L., Vincent, N., & Chowdhury, F. A., Timing Advertising to User Receptivity (2)., *US Patent Filed, Dec'20.*
- 2015 Patel, L., **Saha, K.**, Das, S., & Biswas, A., A System and Method for Sentiment Analysis of Text., *US Provisional Patent Filed, Aug'14, US Patent Filed, Aug'15.*
- 2015 Patel, L., **Saha, K.**, Das, S., & Biswas, A., A System and Method for scalable and continuous learning and annotation of data., *US Provisional Patent Filed, Mar'15.*
- 2014 Bose, A., **Saha, K.**, Das, S., & Biswas, N., A System and Method for Predicting Compliance Issues., *US Provisional Patent Filed, Feb'14.*

## Accepted Proposals and Grants

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- 2023 Future of Workplace Conversational AI-driven Personal Assistants: Promises and Perils, *Koustuv Saha and Eshwar Chandrasekharan*, Forum for Information Retrieval Evaluation (FIRE).
- 2022 On Supporting Workers Through Data-Driven Insights, *Koustuv Saha, Jina Suh, Shamsi T. Iqbal, Javier Hernandez, Judith Amores, Gonzalo Ramos, Kate Nowak, Mary Czerwinski*, Joint E&D and MSR (JEM).
- 2022 Investigating Interaction-Based Harms in AI Systems, *AJung Moon, Shalaleh Rismani, Q. Vera Liao, Alexandra Olteanu, Koustuv Saha, and Su Lin Blodgett*, MSR & Mila Collaboration, Montreal.
- 2022 Information Pathways on Telegram and How They Shape Perceptions Around National Issues, *Edson C. Tandoc, Jr., Roy Ka-Wei Lee, Navin Kumar, and Koustuv Saha*, Temasek Laboratories@NTU, Singapore, \$547,033.
- 2022 Leveraging Artificial Intelligence and Social Media to Predict Stress Hormone Levels, Probable PTSD, and Hazardous Drinking Among Sexual Minority Women: A Pilot Study, *Cory J. Cascalheira, Virinca Jaipuriyar, Aubriana A. Schwarz, Jillian R. Scheer, Shah Muhammad Hamdi, Koustuv Saha, and Munmun De Choudhury*, Bioscience TRAIN Mini-Grant NMSU RISE5, \$1,500.

## Awards, Fellowships, & Highlights

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- 2024 Selected as a mHealth Training Institute Scholar.
- 2024 Best Paper Honorable Mention at CHI 2024 [C<sub>34</sub>].
- 2022 Recipient of Georgia Tech College of Computing Outstanding Dissertation Award (USD \$500).
- 2020 Recipient of the Snap Research Fellowship Award (USD \$10,000).
- 2020 Recipient of the GVU Foley Scholarship Award (USD \$5,000).
- 2020 Selected for CSCW 2020 Doctoral Consortium (Full Funding).
- 2020 Best Paper Honorable Mention at WristSense 2020 [W<sub>8</sub>].
- 2019 Outstanding Study Design Paper Award at ICWSM 2019 [C<sub>9</sub>].
- 2019 Finalist in Symantec Graduate Research Fellowship Award.
- 2014 Won Data Science Hackathon on Compliance Risk Prediction, organized by a U.S. Retail Giant.
- 2008 Qualified in Top 0.5% at IITJEE 2008 and Top 0.3% at AIEEE 2008.
- 2006 Awarded National Talent Search Examination (NTSE) Scholarship by NCERT, Govt. of India.

## Talks, Panels, and Demos

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- 2023 Measuring Wellbeing in Situated Contexts with Social Media and Multimodal Sensing: Promises and Perils.  
The Fourth Indian Symposium on Machine Learning (IndoML), IIT Bombay  
University of Illinois Urbana-Champaign, Gies College of Business  
Indian Institute of Technology (IIT) Kharagpur  
Tata Consultancy Services (TCS) Research  
University of Illinois Urbana-Champaign  
University of Utah  
Northeastern University  
University of Massachusetts, Amherst  
University of South Carolina  
University of Iowa  
Rutgers University  
Microsoft Research, Redmond  
Microsoft Research, Montreal
- 2022 Examining Wellbeing with Social Media and Multimodal Sensing: Potentials and Next Steps, *Aalto University*.
- 2022 Co-organizer of Workshop, *Rethinking Technology for Mental Health and Wellbeing*, Microsoft Research Summit.
- 2022 Panelist, *Mental Health and Social Media*, 8th International Workshop on Mining Actionable Insights from Social Networks, TheWebConf 2022.
- 2022 Speaker, *AI and worker wellbeing: A responsible AI perspective*, CHI Work: Symposium on Human-Computer Interaction for Work, [Link](#).
- 2021 Measuring Wellbeing in Situated Contexts with Social Media and Multimodal Sensing Data: Potentials and Next Steps, *MSR Montreal*.
- 2021 Computational and Causal Approaches on Social Media and Multimodal Sensing Data: Examining Wellbeing in Situated Contexts.  
Microsoft Research, Redmond (Human Understanding and Empathy)  
National University of Singapore  
Sabarmati Young Researcher Seminar, IIT Gandhinagar  
University of South Carolina  
University of Illinois, Chicago  
Temple University  
Microsoft Research, India  
Adobe Research  
Drexel University  
Georgia State University  
University of Pittsburgh  
GVU Brown Bag  
Georgia Tech, UbiComp  
Microsoft Applied Research Invited Talk Series: Rising Stars  
Microsoft Research, Montreal
- 2021 Panelist, *UGCL Affinity Group Social at EACL*.
- 2020 Social Media Reveals Psychosocial Effects of the COVID-19 Pandemic, *GVU Research Showcase*.
- 2020 AdverTiming Matters: Examining User Ad Consumption for Effective Ad Reallocation on Social Media, *Snap Research*.
- 2020 Computational and Causal Approaches on Social Media and Multimodal Data For Wellbeing, *TCS Innovation Research Labs*.
- 2019 A Social Media Study on The Effects of Psychiatric Medication Use, *Microsoft Research*.
- 2019 Tesserae: Measuring Role Ambiguity Using LinkedIn Data, *GVU Research Showcase*.
- 2019 Tesserae: Modeling Organizational Culture Using Glassdoor Data, *GVU Research Showcase*.
- 2019 A Social Media Study on The Effects of Psychiatric Medication Use, *GVU Research Showcase*.
- 2018 Tesserae: Multimodal Sensing To Model Individual Differences and Job Performance at Workplaces, *GVU Research Showcase*.
- 2017 Examining Colorectal Cancer Risk using SNPs, *Fred Hutch*.
- 2017 Using Social Media to Model Stress in College Campuses Around Violent Incidents, *GVU Research Showcase*.
- 2016 CampusLife: Understanding Student Mental Wellbeing with Multimodal Sensing, *GVU Research Showcase*.
- 2016 Using Facebook Ad Audience Estimates to Study Psychosis Awareness in the US, *GVU Research Showcase*.

## Media Coverage

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- 2025 Anorexia coaches, self-harm buddies and sexualized minors: How online communities are using AI chatbots for harmful behavior, *Cyberscoop*, [Link](#).
- 2024 AI agents evolve rapidly, challenging human oversight, *IBM Think Newsletter*, [Link](#).
- 2024 Nomi is one of the most unsettling (and amazing) apps I've ever used, *Digital Trends*, [Link](#).
- 2022 Russian Election Interference Effectiveness, *Data Skeptic Podcast*, [Link](#).
- 2022 Understanding Stress Levels of Campus Shootings with ML, *Sustainable AI Podcast*, [Link](#).
- 2022 Are active shooter drills worth it?, *Vox*, [Link](#).
- 2022 Campaign Urges Users to Post Pictures of Psychiatric Medications, *Psychiatric News*, [Link](#).
- 2022 Uncertainty In The Workplace: Navigating LinkedIn Role Ambiguity, *Ethical Digital*, [Link](#).
- 2021 Wearable tech confirms wear-and-tear of work commute, *Science Daily*, [Link](#).
- 2020 Kovid-19 sosyal medyanın 'psikolojisini' etkiledi, *Sabah*, [Link](#).
- 2020 Is Everybody Doing ... OK? Let's Ask Social Media: Researchers are looking at online behavior to gauge public mental health. The results aren't pretty., *The New York Times*, [Link](#).
- 2020 High levels of pandemic-induced anxiety, depression observed in social media posts., *CBC Radio*, [Link](#).
- 2020 Active shooter drills are meant to prepare students. But research finds 'severe' side effects., *NBC News*, [Link](#).
- 2020 Georgia Tech researchers find active shooter drills in schools may increase anxiety, depression for several months., *11Alive*, [Link](#).
- 2020 Study links active shooter drills in schools to increased depression and anxiety., *The Hill*, [Link](#).
- 2020 Study finds active shooter drills have negative impacts on students., *The Commonwealth Times*, [Link](#).
- 2020 New Machine Learning Method Amplifies 'Voice of the People' to Reveal Workplace Culture., *Georgia Tech College of Computing Press*, [Link](#).
- 2019 IC Researchers Awarded Outstanding Study Design Paper Award at ICWSM-19., *Georgia Tech School of Interactive Computing Press*, [Link](#).
- 2019 Researchers Use Social Media to Model Stress Following Incidents of Gun Violence on Campus., *Georgia Tech School of Interactive Computing Press*, [Link](#).
- 2018 Language Use on Social Media Could Provide an Unobtrusive Measure of Student Stress Levels Following Incidents of On-Campus Violence., *GVU Center*, [Link](#).

## Teaching

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### At UIUC (Assistant Professor)

- Fall 2024 **CS 598**, *Computational Social Science*.
- Spring 2024 **CS 498**, *Computational Social Science*.
- Fall 2023 **CS 598**, *Social Computing*.

### At Georgia Tech (Teaching Assistant)

- Spring 2021 **CS 6471**, *Computational Social Science*.
- Fall 2018 **CS 6474**, *Social Computing*.

## Student Mentorships

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## At UIUC

- 2023– **Graduate Students.**  
Soorya Shimgekar (MS, PhD student, UIUC)  
Saharsh Barve (MS student, UIUC): MS Thesis Advisor  
Veda Duddu (MS student, UIUC)  
Ruining Zhao (MS student, UIUC)  
Chunyu Liu (MS student, UIUC): [J<sub>32</sub>, J<sub>33</sub>]  
Siddharth Salunkhe (MS student, UIUC): [C<sub>31</sub>]  
Weijiang Li (MS student, UIUC): [C<sub>36</sub>]
- 2023– **Undergraduate Students.**  
Melissa Shi (BS CS)  
Yoshee Jain (BS CS): CS Star, [J<sub>32</sub>, J<sub>33</sub>, U<sub>18</sub>]  
Andy Mao (BS CS)  
Maya Ajit (BS CS): CS Star  
Sherry Gong (BS CS): CS Star  
Keran Wang (BS CS): Overseas Summer Research Fellowship  
Mahi Kolla (BS CS): [C<sub>31</sub>]  
Xianyang Zhan (BS CS)  
Allen Chen (BS CS)  
Jash Rajesh Parekh (BS CS): CRA Honorable Mention  
Jiaxun Zhang (BS Stat & CS)  
Jackson Song (BS IS & DS)
- 2022 **Other Student Mentorship/Collaborations.**  
Yunhao Yuan (MS/PhD Student, Aalto University): [C<sub>26</sub>, C<sub>27</sub>]  
Han Zhang (PhD student, U Washington): [U<sub>12</sub>]  
Sidharth Kaliappan (PhD student, UMass Amherst): [J<sub>32</sub>]  
Himanshu Rath (MS student, Rutgers): [C<sub>31</sub>]  
Sukriti Bhardwaj (BS Student, Georgia Tech)

## At Microsoft Research

- 2022 **Primary MSR Intern Mentorship.**  
Anna Kawakami (PhD Student, CMU HCII): [J<sub>26</sub>, C<sub>28</sub>, W<sub>11</sub>]  
Shreya Chowdhary (BS, Olin College): [J<sub>26</sub>, C<sub>28</sub>]
- 2022 **Collaborative MSR Intern Mentorship.**  
Yasaman Sefidgar (PhD Student, University of Washington): [C<sub>23</sub>, J<sub>29</sub>]  
Vedant Das Swain (PhD Student, Georgia Tech): [C<sub>25</sub>]  
Jaleh Mahdavi (PhD Student, Ryerson University): [U<sub>10</sub>]  
Harish Haresamudram (PhD Student, Georgia Tech): [W<sub>14</sub>]
- 2022 **Other Student Mentorship/Collaborations.**  
Yunhao Yuan (MS/PhD Student, Aalto University): [C<sub>26</sub>, C<sub>27</sub>]  
Bhaskar Kotakonda (MS Student, Georgia Tech) [C<sub>38</sub>]  
Shubham Agarwal (MS Student, Georgia Tech)  
Sukriti Bhardwaj (BS Student, Georgia Tech)

## At Georgia Tech

2016-2021 **Graduate Students.**

Haomin Lin  
Shrija Mishra [J<sub>16</sub>, W<sub>8</sub>]  
Pranshu Gupta [J<sub>16</sub>, J<sub>17</sub>, J<sub>18</sub>, W<sub>8</sub>, C<sub>32</sub>]  
Asra Yousuf [J<sub>17</sub>, J<sub>23</sub>, U<sub>5</sub>]  
Manikanta D. Reddy [J<sub>7</sub>, J<sub>8</sub>, J<sub>9</sub>, C<sub>3</sub>, C<sub>5</sub>, C<sub>7</sub>, C<sub>12</sub>]  
Benjamin Sugar [C<sub>9</sub>]  
Jayant Jain [J<sub>17</sub>]  
Jyoti Narang  
Sheryl Ratnam  
Kunal Agarwal  
Amelia Glaese [J<sub>23</sub>]  
Andrea Hu [J<sub>17</sub>]  
Dong Whi Yoo [C<sub>6</sub>, C<sub>7</sub>]  
Akshay Agarwal  
Sherry Yoo

2016-2021 **Undergraduate Students.**

Caroline Ridley  
Sparsh Kudrimoti  
Nicholas Jaffe [C<sub>9</sub>]  
Jordyn Seybolt [J<sub>16</sub>, C<sub>19</sub>, C<sub>32</sub>]  
Sarah Yoo [C<sub>9</sub>]  
Chaitanya Konjeti [C<sub>9</sub>]  
Tushna Eduljee  
Yujia Gao [C<sub>9</sub>]  
Abhirup Ghosh  
Christin Avery Timmons  
Victor Renard Hill Jr.  
Sang-Chan Kim [J<sub>8</sub>]  
Tahirah Ahmad  
Hemang Rajvanshy [J<sub>7</sub>, C<sub>12</sub>]  
Soo Aah Moon [W<sub>6</sub>]  
James O'Connor [W<sub>6</sub>]

## Reviewing, Editing, and Organizational Service \_\_\_\_\_

### Journals

**Editing.**

Frontiers in Digital Health  
Frontiers in Psychiatry

**Reviewing.**

PNAS  
 Nature Scientific Reports  
 Science Advances  
 PLOS One  
 Communications of ACM (CACM)  
 NPJ Mental Health Research  
 Journal of Medical Internet Research (JMIR)  
 IEEE Transactions on Affective Computing (TAFF)  
 ACM Transactions on Computer-Human Interaction (TOCHI)  
 Journal of Psycholinguistic Research (JOPR)  
 ACM Transactions on Social Computing (TSC)  
 ACM Transactions on the Web (TWEB)  
 Journal of Homosexuality  
 Journal of Family Violence  
 EPJ Data Science  
 Information Processing & Management (IPM)  
 Early Intervention in Psychiatry  
 International Journal of Psychophysiology (INTPSY)  
 Proceedings of ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)  
 ACM Digital Threats (DTRAP)  
 Discourse Processes, Mental Health & Prevention  
 BMC Medical Informatics and Decision Making  
 Frontiers in Public Health  
 ACM Transactions on Intelligent Systems and Technology (TIST)  
 ACM Computing Surveys

**Conferences and Workshops****Organizational Committee Membership.**

ACM FAccT 2025: Virtual Chair  
 ACM CHIWORK 2024: Student Consortium Chair  
 ACM CSCW 2023: Hybrid Chair  
 AAAI ICWSM 2022: Virtual Conference Chair  
 AAAI ICWSM 2020: Web Chair  
 Rethinking Technology for Mental Health and Wellbeing Workshop, Microsoft Research Summit 2022: Co-organizer

**Associate Editor/(Senior) Program Committee Membership.**

ACM CHI (2023, 2024, 2025)  
 ACM CSCW (2022, 2023, 2024, 2025)  
 AAAI ICWSM (2019, 2020, 2021, 2022, 2023, 2024, 2025)  
 ACM FAccT (2023, 2024)  
 WWW/TheWebConf (2020, 2021, 2022, 2023, 2024)  
 EMNLP (2023)  
 ACM WebSci (2020, 2021, 2022)  
 ASONAM (2019)  
 EMNLP W-NUT (2019, 2020)  
 EACL/NAACL HCI+NLP (2021, 2022)  
 ACII ML for Mental Health Workshop (2019)

**Reviewing.**

ACM CSCW (2017, 2018, 2019, 2020, 2021\*, 2022, 2023\*, 2024, 2025\*)  
 ACM CHI (2017, 2018, 2019, 2020\*, 2021\*, 2022, 2023, 2024\*, 2025\*)  
 EMNLP (2021)  
 WWW/TheWebConf (2019, 2020, 2021, 2022, 2023, 2024)  
 AAAI ICWSM (2019, 2020, 2021, 2022, 2023, 2024, 2025)  
 ACII (2019)  
 ACL-IJCNLP (2020, 2021)

\* [Special Recognition for Outstanding Reviews](#)

**Miscellaneous**

Skills and Interest Computational Social Science, Social Computing, FATE, Human-centered Machine Learning, Causal Inference, HCI, Mental Health, Wellbeing, Natural Language, Time Series, Statistical Modeling, Data Science



Programming Python, R, Java, C, C#, Bash, HTML, MySQL, MongoDB, BigQuery  
Languages English, Bengali, Hindi