

Koustuv Saha, PhD

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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

- 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

- 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

- J₃₇ 2026 NPJ Digital Public Health **Saha, K.**, Yoo, D.W., Das Swain, V., & De Choudhury, M. (2026). Life Events as Predictors of Wellbeing Outcomes. *NPJ Digital Public Health*, *Forthcoming*.
- J₃₆ 2025 IJED **Saha, K.**, Yim, S.H., Yoo, D.W., Polymerou, A., Liu, Y., & **Saha, K.** (2025). Generative AI for Eating Disorders: Linguistic Comparison with Online Support and Qualitative Analysis of Harms. *International Journal of Eating Disorders*, [Link](#).
- J₃₅ 2025 Nature Sci Rep **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*, [Link](#).
- J₃₄ 2025 PACM HCI: CSCW **Saha, K.**, Shi, J.M., Wang, K., Yoo, D.W., Karkar, R., & **Saha, K.** (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*), [Link](#).
- J₃₃ 2025 ACM Health **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](#).
- J₃₂ 2025 JMIR Aging **Saha, K.**, Kaliappan, S., Liu, C., Jain, Y., Karkar, R., & **Saha, K.** (2025). Online Communities as a Support System for Alzheimer's Disease and Dementia Care: Large-Scale Exploratory Study JMIR Aging, [Link](#).
- J₃₁ 2024 JMIR MH **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](#).
- J₃₀ 2024 Nature Mental Health **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*.
- J₂₉ 2024 PACM HCI: CSCW **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](#).
- J₂₈ 2023 PACM HCI: CSCW **Saha, K.**, Kawakami, A., Chowdhary, S., Iqbal, S. T., Liao, Q. V., Olteanu, A., Suh, J., & **Saha, K.** (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](#).
- J₂₇ 2023 PACM HCI: CSCW **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](#).
- J₂₆ 2023 PACM HCI: CSCW **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](#).
- J₂₅ 2023 JMIR Form. Res. **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*.
- J₂₄ 2023 TVA **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](#).
- J₂₃ 2022 Nature Sci Rep **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](#).
- J₂₂ 2022 ACM Health **Saha, K.**, Bin Morshed, M., Kulkarni, S. S., **Saha, K.**, 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](#).
- J₂₁ 2022 PACM HCI: CSCW **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](#).

- J₂₀ 2022 Kumar, N., Corpus, I., Hans, M., Harle, N., Yang, N., McDonald, C., Sakai, S. N., Jammohamed, K. A., Chen, K., Altice, F. L., Tang, W., Schwartz, J. L., Jones-Jang, S. M., **Saha, K.**, 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](#).
- J₁₉ 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](#).
- J₁₈ 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](#).
- J₁₇ 2021 **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](#).
- J₁₆ 2021 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.
- J₁₅ 2021 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](#).
- J₁₄ 2021 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](#).
- J₁₃ 2021 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](#).
- J₁₂ 2021 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](#).
- J₁₁ 2020 **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](#).
- J₁₀ 2020 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](#).
- J₉ 2019 **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](#).
- J₈ 2019 **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](#).
- J₇ 2019 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-Centred 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](#).
- J₆ 2019 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](#).
- J₅ 2019 **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](#).

- J₄ 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](#).
- J₃ 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](#).
- J₂ 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](#).
- J₁ 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

- C₅₁ 2026 ACM CHI Yuan, Y., Zhang, J., Aledavood, T., Zhang, R., & **Saha, K.** (2025). Mental Health Impacts of AI Companions: Triangulating Social Media Quasi-Experiments, User Perspectives, and Relational Lens. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [Link](#).
- C₅₀ 2026 ACM CHI Bhat, K. S., Shi, J. M., Song, W., Yoo, D. W., & **Saha, K.** (2025). "In my defense, only three hours on Instagram": Designing Toward Digital Self-Awareness and Wellbeing. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [Link](#).
- C₄₉ 2026 ACM CHI Huang, M., Rodriguez, V. J., **Saha, K.**, & August, T. (2025). Designing Beyond Language: Sociotechnical Barriers in AI Health Technologies for Limited English Proficiency. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [Link](#).
- C₄₈ 2026 ACM CHI Ehsan, U., Passi, S., **Saha, K.**, McNutt, T., Riedl, M. O., & Alcorn, S. (2025). From Future of Work to Future of Workers: Addressing Asymptomatic AI Harms to Foster Dignified Human-AI Interaction. In Proceedings of the CHI Conference on Human Factors in Computing Systems.
- C₄₇ 2026 AAAI ICWSM Chan, J., Choi, F., **Saha, K.**, & Chandrasekharan, E. (2026). Examining Algorithmic Curation on Social Media: An Empirical Audit of Reddit's r/popular Feed. Proceedings of the International AAAI Conference on Web and Social Media, [Link](#).
- C₄₆ 2026 ICA Zhang, R., & **Saha, K.** (2025). AI as Affective Infrastructure: A Quasi-Experimental Study of the Mental Health Impacts of AI Platform Updates. 76th Annual Conference of the International Communication Association..
- C₄₅ 2025 HCII Haran, S., Thatikonda, S., Yoo, D.W., & **Saha, K.** (2026). A Checklist for Trustworthy, Safe, and User-Friendly Mental Health Chatbots. 28th International Conference on Human-Computer Interaction, Artificial Intelligence in HCI (AI-HCI)..
- C₄₄ 2025 EMNLP Goyal, A., Zhan, X., Chen, Y., **Saha, K.**, & Chandrasekharan, E. (2025). MoMoE: Mixture of Moderation Experts Framework for AI-Assisted Online Governance Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing (EMNLP), Main Conference., [Link](#).
- C₄₃ 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](#).
- C₄₂ 2025 ACM 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](#).
- C₄₁ 2025 ACM 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](#).
- C₄₀ 2025 AAAI 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](#).
- C₃₉ 2025 AAAI 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.
- C₃₈ 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 ₃₇	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 ₃₆	2025 ML4H	Vassef, S., Shimgekar, S.R., Goyal, A., Poellabauer, C., Saha, K. , Zonooz, P., & Kumar, N. (2025). Route-and-Execute: Auditible Model-Card Matching and Specialty-Level Deployment. In Proceedings of the Machine Learning for Health Symposium (ML4H), Association for Health Learning and Inference (AHLI), Link .
C ₃₅	2025 SBP-BRIMS	Goyal, A., Ligo, V., Cheung L. Y., Lee, R. K. W., Saha, K. , Tandoc Jr. E. C., & Kumar, N. (2025). Analyzing Conspiratorial Content Across Singapore-Based Telegram Groups. In 18th International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation, Springer LNCS, Link .
C ₃₄	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 ₃₃	2024 ACM CHI	Jhaver, S., Rathi, 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 ₃₂	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 ₃₁	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 ₃₀	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 ₂₉	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 ₂₈	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 ₂₇	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 ₂₆	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 ₂₅	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 ₂₄	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 ₂₃	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 ₂₂	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 ₂₁	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 ₂₀	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 ₁₉	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 .

- C₁₈ 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 Reallocation on Social Media. In Proceedings of the CHI Conference on Human Factors in Computing Systems, [PDF](#).
- C₁₇ 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](#).
- C₁₆ 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 15th International AAAI Conference on Web and Social Media, [PDF](#).
- C₁₅ 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](#).
- C₁₄ 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).
- C₁₃ 2020 AAAI ICWSM **Saha, K.**, & Sharma, A. (2020). Causal Factors of Effective Psychosocial Outcomes in Online Mental Health Communities. Proceedings of the 14th International AAAI Conference on Web and Social Media., Presented at ICWSM 2020, [PDF](#).
- C₁₂ 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](#).
- C₁₁ 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](#).
- C₁₀ 2020 HCII **Saha, K.**, Ernala, S. K., Dutta, S., Sharma, E., & De Choudhury, M. (2020). Understanding Moderation in Online Mental Health Communities. In 22nd International Conference on Human-Computer Interaction, Springer LNCS, Presented at HCII 2020, [PDF](#).
- C₉ 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 13th International AAAI Conference on Web and Social Media., Presented at ICWSM 2019, [Outstanding Study Design Paper](#), [PDF](#).
- C₈ 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 11th ACM Conference on Web Science, Presented at WebSci 2019, [PDF](#).
- C₇ 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 8th International Conference on Affective Computing and Intelligent Interaction (ACII), (Non first three authors are listed alphabetically), Presented at ACII 2019, [PDF](#).
- C₆ 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](#).
- C₅ 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 Tesserae 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](#).
- C₄ 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 2nd ACM Conference on Fairness, Accountability, and Transparency (FAT*), (* co-primary authors), Presented at FAT* 2019, [PDF](#).
- C₃ 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](#).

- C₂ 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 12th International AAAI Conference on Web and Social Media., Presented at ICWSM 2018, [PDF](#).
- C₁ 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

- P₇ 2025
RISE AI **Haran, S.**, Thatikonda, S., Yoo, D.W., & **Saha, K.** (2025). A Checklist for Trustworthy, Safe, and User-Friendly Mental Health Chatbots. The RISE AI Conference.
- P₆ 2024
WebSci **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. Companion Publication of the 16th ACM Web Science Conference, [Link](#).
- P₅ 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](#).
- P₄ 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](#).
- P₃ 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).
- P₂ 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](#).
- P₁ 2023
SBP-BRiMS **Goyal, A.**, Siddique, M., Chen, K., O'Hanlon, R., Cheung, L. Y., **Saha, K.**, Lee, R. K. W., Broekaert, C., Wong, A., Schwitzky, Z., & Kumar, N. (2023). Misinformative Products on Amazon. International Conference on Social Computing, Behavioral-Cultural Modeling & Prediction and Behavior Representation in Modeling and Simulation, [Link](#).
- E₁ 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.
- W₁₄ 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.
- W₁₃ 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.
- W₁₂ 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.
- W₁₁ 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.
- W₁₁ 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](#).
- M₁ 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](#).
- W₁₀ 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](#).
- W₉ 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, colocated with IEEE PerCom, (* co-primary authors), [Best Paper Honorable Mention](#), [PDF](#).



W ₈ 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 ₇ 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 ₆ 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 ₅ 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, colocated with ICWSM 2019, PDF .
W ₄ 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, colocated with Annual Society for Industrial and Organizational Psychology Conference (SIOP 2019), PDF .
W ₃ 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 ₂ 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 ₁ 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.

Accepted Proposals and Funding

- 2025 Agentic AI for Healthcare, **Koustuv Saha** (Sole PI), Nimblemind.ai: Unrestricted Gift, Total Award: \$8,000 USD.
- 2025 AI-Assisted Wellbeing Support System for Family Caregivers of Dementia Patients, **Koustuv Saha** (Lead PI), Daniel S. Brown (PI), Violeta J. Rodriguez (Co-PI), Ravi Karkar (Co-I), and Dong Whi Yoo (Co-I), Jump ARCHES Award, Total Award: \$100,000 USD, UIUC Share: \$70,000 USD.
- 2025 Supporting Mental Wellbeing of Family Caregivers of AD/ADRD through an AI-based Conversational Agent, Ravi Karkar (PI), **Koustuv Saha** (Co-PI), Violeta J. Rodriguez (Co-PI), Dong Whi Yoo (Co-PI), National Institutes of Health: National Institute of Aging: A2 Pilot Awards, Total Award: \$269,162 USD, UIUC Share: \$100,000 USD.
- 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

- 2025 Recipient of the Adamic-Glance Early Career Distinguished Award by AAAI ICWSM.
- 2025 Selected for the OpEd/Public Voices Fellowship.
- 2024 Selected as a mHealth Training Institute Scholar.
- 2024 Best Paper Honorable Mention at CHI 2024 [C₃₄].

- 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 [W₈].
- 2019 Outstanding Study Design Paper Award at ICWSM 2019 [C₉].
- 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

- 2023-24 Measuring Wellbeing in Situated Contexts with Social Media and Multimodal Sensing: Promises and Perils.
 - The Summer Institutes in Computational Social Science (SICSS), Singapore
 - CLunch@Penn, University of Pennsylvania
 - Digital Dialects: Large Language Models and Societal Linguistic Evolution, IIM Bangalore
 - 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 Caroline
 - 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*.
- 2016 An Hybrid Approach for Knowledgebase Buildup and Lookup, *Georgia Tech, COC*.

Media Coverage

- 2026 Why Workplace Wellbeing AI Needs a New Ethics of Consent?, *The Fulcrum*, [Link](#).
- 2026 Healthcare Chatbots Provoke Unease in AI Governance Analysts, *AI Today*, [Link](#).
- 2026 Why workplace well-being AI needs new ethics of consent, *Gulf Today*, [Link](#).
- 2025 What Happens to Online Discussion Forums When AI Is First Place People Turn?, *The Fulcrum*, [Link](#).
- 2025 Is All Screen Time Harmful?: It's not about how much time people spend on devices—but what they do while they're there., *MedPage Today*, [Link](#).
- 2025 The Risks of the 'Observer Effect' from Being Watched by AI., *Tech Policy Press*, [Link](#).
- 2025 AI Friends Can Make You Feel More Alone: The paradox of artificial companionship., *Psychology Today*, [Link](#).
- 2025 Google Working on Fix for Glum Gemini, Stuck in 'Infinite Loop' of Self-Esteem Issues, *CNet*, [Link](#).
- 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

At UIUC (Assistant Professor)

- Fall 2025 **CS 598**, *Computing and Wellbeing*.
- 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*.

Advising and Mentorship

At UIUC

- 2023– **PhD Students.**
 Soorya Shimgekar, 2024–
 Niharika Bhattacharjee, 2025–
 Drishti Goel, 2025–
 Michelle Huang, 2025–
 Jenny Kim, 2025–
 Olivia Pal, 2025–
 Claire Wang, 2025–
- 2023– **MCS/MS/MS Thesis Students.**
 Veda Duddu (MS Thesis Advisor), 2024–
 Atharva Naik (MS Thesis Advisor), 2025–
 Yueshen Li (MS Thesis Advisor), 2025–
 Melissa Shi, 2025–
 Andy Mao, 2025–
 Shane Zhu, 2025–
 Saharsh Barve (MS Thesis Advisor), 2024-25
 Ruining Zhao, 2025
 Soorya Shimgekar, 2024
 Chunyu Liu, 2023-24: [J₃₂, J₃₃]
 Siddharth Salunkhe, 2023-24: [C₃₁]
 Weijiang Li, 2023-24: [C₃₆]
- 2023– **Undergraduate Students.**
 Emily Amezcua-Bravo (BS CS): CS Star, 2025–
 Maya Ajit (BS CS): CS Star, 2024–
 Sherry Gong (BS CS): CS Star, 2024–
 Jackson Song (BS IS & DS), 2025–
 Joshua Chen (BS CS), 2025–
 Ethan Nguyen (BS CS), 2025–
 Yuqi Liu (BS+MS CS), 2025–
 Shounok Kar (BS CS+X), 2025–
 Jiaxun Zhang (BS Stat & CS), 2024–
 Melissa Shi (BS CS), 2023-25
 Yoshee Jain (BS CS): CS Star, [J₃₂, J₃₃, U₁₈], 2023-25
 Andy Mao (BS CS), 2024-25
 Keran Wang (BS CS): Overseas Summer Research Fellowship, 2024-25
 Mahi Kolla (BS CS): [C₃₁], 2024
 Xianyang Zhan (BS CS), 2024-25
 Allen Chen (BS CS), 2024-25
 Jash Rajesh Parekh (BS CS): CRA Honorable Mention, 2024-25
- 2023– **High School Students.**
 Emily Amezcua-Bravo (BS CS): **CS Star**, 2025–
 Maya Ajit (BS CS): **CS Star**, 2024–
 Sherry Gong (BS CS): **CS Star**, 2024–
 Jackson Song (BS IS & DS), 2025–
 Joshua Chen (BS CS), 2025–
 Ethan Nguyen (BS CS), 2025–
 Yuqi Liu (BS+MS CS), 2025–
 Jiaxun Zhang (BS Stat & CS), 2024–
 Melissa Shi (BS CS), 2023-25
 Yoshee Jain (BS CS): **CS Star**, [J₃₂, J₃₃, U₁₈], 2023-25
 Andy Mao (BS CS), 2024-25
 Keran Wang (BS CS): Overseas Summer Research Fellowship, 2024-25
 Mahi Kolla (BS CS): [C₃₁], 2024
 Xianyang Zhan (BS CS), 2024-25
 Allen Chen (BS CS), 2024-25
 Jash Rajesh Parekh (BS CS): CRA Honorable Mention, 2024-25

- 2023– **Other Student Mentorship/Collaborations.**
 Yunhao Yuan (MS/PhD Student, Aalto University): [C₂₆, C₂₇, C₅₁]
 Han Zhang (PhD student, U Washington): [U₁₂]
 Sidharth Kaliappan (PhD student, UMass Amherst): [J₃₂]
 Himanshu Rathi (MS student, Rutgers): [C₃₁]
 Sukriti Bhardwaj (BS Student, Georgia Tech)
- 2023– **PhD Defense Committee.**
 Silas Hsu (UIUC, PhD in CS): *Building better settings for online content curation*, 2024
- 2023– **PhD Proposal/Prelim Committee.**
 Daniel Kiv (UIUC, PhD in CS): 2025
 Ibtihal Ferwana (UIUC, PhD in CS): 2025
 Mohit Gupta (UIUC, PhD in Informatics): 2025
 Yerong Li (UIUC, PhD in CS): 2025
- 2023– **PhD Qualifier Committee.**
 Seung Heon Lee (UIUC, PhD in CS): 2025 [Chair]
 Muhammad Omar Khan (UIUC, PhD in CS): 2025 [Chair]
 Carl Guo (UIUC, PhD in CS): 2025
 Mohit Gupta (UIUC, PhD in Informatics): 2024
 Yeeun Jo (UIUC, PhD in CS): 2024
- 2023– **MS Thesis.**
 Saharsh Barve (UIUC, MS in CS): *Social Stereotypes in Text-to-Image Generation: Examining User Perceptions and Debiasing Strategies*, 2025

At Microsoft Research

- 2022 **Primary MSR Intern Mentorship.**
 Anna Kawakami (PhD Student, CMU HCII): [J₂₆, C₂₈, W₁₁]
 Shreya Chowdhary (BS, Olin College): [J₂₆, C₂₈]
- 2022 **Collaborative MSR Intern Mentorship.**
 Yasaman Sefidgar (PhD Student, University of Washington): [C₂₃, J₂₉]
 Vedant Das Swain (PhD Student, Georgia Tech): [C₂₅]
 Jaleh Mahdavi (PhD Student, Ryerson University): [U₁₀]
 Harish Haresamudram (PhD Student, Georgia Tech): [W₁₄]
- 2022 **Other Student Mentorship/Collaborations.**
 Yunhao Yuan (MS/PhD Student, Aalto University): [C₂₆, C₂₇]
 Bhaskar Kotakonda (MS Student, Georgia Tech) [C₃₈]
 Shubham Agarwal (MS Student, Georgia Tech)
 Sukriti Bhardwaj (BS Student, Georgia Tech)

At Georgia Tech

- 2016-2021 **Graduate Students.**
 Haomin Lin
 Shrija Mishra [J₁₆, W₈]
 Pranshu Gupta [J₁₆, J₁₇, J₁₈, W₈, C₃₂]
 Asra Yousuf [J₁₇, J₂₃, U₅]
 Manikanta D. Reddy [J₇, J₈, J₉, C₃, C₅, C₇, C₁₂]
 Benjamin Sugar [C₉]
 Jayant Jain [J₁₇]
 Jyoti Narang
 Sheryl Ratnam
 Kunal Agarwal
 Amelia Glaese [J₂₃]
 Andrea Hu [J₁₇]
 Dong Whi Yoo [C₆, C₇]
 Akshay Agarwal
 Sherry Yoo

2016-2021 **Undergraduate Students.**

Caroline Ridley
Sparsh Kudrimoti
Nicholas Jaffe [C₉]
Jordyn Seybolt [J₁₆, C₁₉, C₃₂]
Sarah Yoo [C₉]
Chaitanya Konjeti [C₉]
Tushna Eduljee
Yujia Gao [C₉]
Abhirup Ghosh
Christin Avery Timmons
Victor Renard Hill Jr.
Sang-Chan Kim [J₈]
Tahirah Ahmad
Hemang Rajvanshy [J₇, C₁₂]
Soo Aah Moon [W₆]
James O'Connor [W₆]

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 CHI 2026: Subcommittee Chair (Understanding People – Statistical and Quantitative Methods)
- 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, Responsible AI, 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