

Aarjav Chauhan

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Current position

PhD Candidate, Department of Computer Science

Collaborative Specialization in Environmental Studies, School of the Environment

Member of the Toronto Climate Observatory, Led by Dr. Robert Soden

University of Toronto

Research Areas

Human-Computer Interaction, Science and Technology Studies, Computer Supported Co-operative Work, Commoning, Climate Adaptation

Doctoral Committee

- Robert Soden (Supervisor)
- Steve Easterbrook
- Ishtiaque Ahmed
- Priyank Chandra

Education

2021-current	PhD in Computer Science, Department of Computer Science <i>University of Toronto</i>
2019-2021	M.S. in Technology, Media & Society (<i>ICTD Track</i>), ATLAS Institute <i>University of Colorado at Boulder</i>
2012-2016	B.S in Computer Science, College of Information Science and Technology <i>University of Nebraska at Omaha</i>

Research Experience

2024 -	Research Associate at Himalayan Langur Project
2022	Research Intern at Office for the Co-ordination of Humanitarian Affairs, <i>United Nations</i>
2022	Sustainable HCI Researcher for International Research Network for Climate Positive Care, Led by Dr. Fiona Miller, <i>University of Toronto</i>

- 2020 - 2021 Researcher at Boulder Food Rescue, funded by [Grant for the Web](#)
- 2019 - 2021 Member of the Philanthropic Informatics Research Lab, Led by Dr. Amy Volda, *University of Colorado at Boulder*
- 2015 - 2016 Member of the Computational Environments for Learning Lab, Led by Dr. Brian Dorn, *University of Nebraska at Omaha*

Publications

REFEREED JOURNAL & CONFERENCE PUBLICATIONS

- 2025 **Chauhan, A.**, Soden, R. (2025). Digital Archives, Knowledge Conflicts, and Epistemic Injustices in the Himalayas. *In Proceedings of the CHI Conference on Human Factors in Computing Systems*.
- 2024 **Chauhan, A.**, Soden, R. (2024, May). Commoning as a Strategy for HCI Research and Design in South Asia. *In Proceedings of the CHI Conference on Human Factors in Computing Systems (pp. 1-18)*.
- 2024 **Honorable Mention - Best Paper Award - Chauhan, A.**, Sarkar, D., Agrawaal, T., Soden, R. (2024) Value Tensions in OpenStreetMap: Openness, Membership, and Policy in Online Communities. *In Proceedings of the ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW)*.
- 2024 Agrawaal, T. S., **Chauhan, A.**, Nobre, C., & Soden, R. (2024, May). What's the Rush?: Alternative Values in Navigation Technologies for Urban Placemaking. *In Proceedings of the CHI Conference on Human Factors in Computing Systems (pp. 1-17)*.
- 2023 Darian, S., **Chauhan, A.**, Marton, R., Ruppert, J., Anderson, K., Clune, R., ... & Volda, A. (2023). Enacting Data Feminism in Advocacy Data Work. *Proceedings of the ACM on Human-Computer Interaction*, 7(CSCW1), 1-28.
- 2022 **Chauhan, A.**, Qin, J. Y., Sury, J., & Soden, R. (2022, June). Exploring Community Needs for Disaster Shelters Using Cultural Probes. *In ACM SIGCASSIGCHI Conference on Computing and Sustainable Societies (COMPASS 2022) (pp. 414-428)*.
- 2022 Mahmud, Z., **Chauhan, A.**, Sarkar, D., & Soden, R. (2022, April). Revisiting Engagement in Humanitarian Mapping: An Updated Analysis of Contributor Retention in OpenStreetMap. *In CHI Conference on Human Factors in Computing Systems Extended Abstracts (pp. 1-6)*.
- 2017 Dazo, S. L., Stepanek, N. R., **Chauhan, A.**, & Dorn, B. (2017, May). Examining instructor use of learning analytics. *In Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems (pp. 2504-2510)*.

ESSAYS AND SHORT PAPERS

- 2025 **Chauhan, A.**, Mathur, V (2025). [Following Primates](#). In *Platypus - Committee for the Anthropology of Science, Technology & Computing*
- 2020 Newman, K., Marton, R., Higuera, J., **Chauhan, A.**, Sadan, R., & Underwood, H. (2020). Designing for Women: Radio-Based Seed Saving Education for Widowed Female Farmers in India. In *2020 IEEE Global Humanitarian Technology Conference (GHTC)* (pp. 1-2). IEEE. Chicago

Conference Presentations & Workshops

- 2024 Poster: Archives, Environmental Knowledge, and Epistemic Injustices in the Himalayas at *ACM - COMPASS 2024*
- 2024 Value Conflicts within Himalayan Environmental Scientific Practice at *Conference for Advancing the Participatory Sciences*
- 2023 Collaborative Workshops as Field Sites for Understanding Grassroots Climate Practices in the Himalayas at *HCIxB (Human-Computer Interaction across Borders)-ACM CHI 2023*
- 2023 Relationships between Information Infrastructures and Climate Change Knowledge Production in the Himalayas at *HCI and Climate Change - ACM CHI 2023*
- 2022 Digital Libraries of the Himalayas: Forms and Politics of Knowledge Production at *Himalayan Studies Conference 2022 - THE ASSOCIATION FOR NEPAL AND HIMALAYAN STUDIES*
- 2022 Digital Libraries of the Himalayas: Forms and Politics of Knowledge Production at *Critical Digital Humanities International Conference - Toronto*
- 2022 Commons-based Peer Production for Community Empowerment in South Asia at *HCIxB (Human-Computer Interaction across Borders)-ACM CHI 2022*
- 2020 Data Visualizations through D3.js | INFO 6301 - Computation for Research in Information Science Workshop, University of Colorado at Boulder
- 2020 Facial Recognition through OpenCV | INFO 6301 - Computation for Research in Information Science Workshop, University of Colorado at Boulder

Teaching and TA Experience

- Summer 2025 Guest Lecturer for CSC2558H (Qualitative Data Analysis and Writing for HCI), University of Toronto
- Summer 2025 TA for CSC2558H (Qualitative Data Analysis and Writing for HCI), University of Toronto
- 2021-current TA for CSC300 (Computers and Society), University of Toronto
- Fall 2023 TA for Environmental Decision-Making: Interdisciplinary Perspectives, School of the Environment, University of Toronto

Winter 2023	Guest Lecturer for CSC300 (Computers and Society), University of Toronto
2015-2016	Technology Instructor at Techademy, University of Nebraska at Omaha
2015-2016	Course Instructor at iSTEM After School Program, University of Nebraska at Omaha

Academic Service

CONFERENCE OPERATIONS

2024-2025	Web Chair at <i>ACM COMPASS 2025</i>
2024	Program Committee at <i>ICTD 2024</i>

INVITED REVIEWER

ACM Computer Supported Cooperative Work (2024, 2023, 2022)
 ACM CHI Conference (2025, 2024, 2023, 2022)
 ACM TOCHI (2024)
 ACM COMPASS (2023, 2025)
 ICTD (2024)

Awards, Fellowships, and Scholarships

2025	Wolfond Scholarship Program in Wireless Information Technology from <i>Department of Computer Science at University of Toronto</i>
2024	Honorable Mention - Best Paper Award. CSCW 2024 for "Value Tensions in OpenStreetMap: Openness, Membership, and Policy in Online Communities."
2023	Beatrice and Arthur Minden Graduate Research Fellowship from <i>School of the Environment at University of Toronto</i>
2021	ATLAS Graduate Student Award from <i>University of Colorado at Boulder</i>