

# Aarjav Chauhan

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<https://aarjav.design/>

## Current position

PhD Student, 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 Practices, Climate Adaptation

## Education

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

## Research Experience

- 2022 Research Intern at Office for the Co-ordination of Humanitarian Affairs, *United Nations*
- 2022 Sustainable HCI Researcher for International Research Network for Climate Positive Care, Led by Dr. Fiona Miller, *University of Toronto*
- 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 Vaida, *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

- 2024 **Chauhan, A.**, Soden, R. (2024) Commoning as a Strategy for HCI Research and Design in South Asia. In Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI).
- 2024 **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). *forthcoming*
- 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).

### SHORT PAPERS

- 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

- 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

- 2022 Guest Lecturer for CSC300 (Computers and Society), University of Toronto
- 2021-current TA 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

## Awards, Fellowships, and Scholarships

- 2023 Beatrice and Arthur Minden Graduate Research Fellowship from *School of the Environment at University of Toronto*
- 2021 ATLAS Graduate Student Award from *University of Colorado at Boulder*