

Aarjav Chauhan

aarjav@cs.toronto.edu

<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

- 2024 - Research Associate at [Himalayan Langur Project](#)
- 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 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

- 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 **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).

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

- 2024 Poster: Archives, Environmental Knowledge, and Epistemic Injustices in the Himalayas at *ACM - COMPAS 2024*
- 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*