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
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 Voida, *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.* (Forthcoming)

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., ... & Voida, 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 - 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

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

Academic Service

Conference Operations

2024-	Web Chair at *ACM COMPASS 2025*
2024	Program Committee at *ICTD 2024*

Invited Reviewer

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

Awards, Fellowships, and Scholarships

2025	Wolfond Scholarship Program in Wireless Information Technology from *Department of Computer Science at University of Toronto*
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 *School of the Environment at University of Toronto*
2021	ATLAS Graduate Student Award from *University of Colorado at Boulder*