Ashwin Singh
(they/them)

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Education

Indraprastha Institute of Information Technology Delhi (IIIT Delhi) New Delhi, India
B.Tech. in Computer Science and Applied Mathematics *August 2017 - June 2021*
CGPA: 8.73/10

Experience

Diversity, Equity and Inclusion Admin Seattle, Washington, USA [Remote]
Queer In AI *April 2022 – Present*
- Advancement leader of Queer in AI, responsible for leading community research, drafting inclusive policies, organizing events, mentoring volunteers and fundraising.
- Engaged community in participatory design to create Queer Experiences in AI Survey, that facilitates an intersectional understanding of queer issues and barriers in AI.
- Co-authored a paper presenting Queer in AI as a case study for community-led participatory design in AI, with key insights for communities interested in grassroots activism in AI. [Under Review at FAccT 2023]
- Currently collaborating with Twitter's bias bounty working group to develop considerations for diverse queer communities in AI harm evaluation frameworks.

Research Associate Hyderabad, India
PreCog, IIIT Hyderabad — Advisor: Prof. Ponnurangam Kumaraguru *July 2021 – Aug 2021*
- Responsibilities involved leading research collaborations across academia and nonprofits, writing grant proposals, and mentoring students on research projects.
- Received funding from Flipkart (largest Indian e-commerce service provider) for a grant proposal on creating an e-commerce credibility score using publicly available information.
- Collaborated with Digital Green to diagnose their ICT for inequalities and alleviate the adoption rates of agricultural practices by farmers. Full Paper accepted at ICTD 2022.
- Used mixed-methods to uncover the incorporation of dark patterns in install-incentivizing apps by developers to exploit the labor of users in building market and detect lockstep behaviors in their reviews. Late Breaking Result accepted at ACM Hypertext 2022. Blog featured in the AI Ethics Brief.

Undergraduate Researcher [Thesis] New Delhi, India
Living Lab, IIIT Delhi — Advisor: Prof. Grace Eden *June 2020 – June 2021*
- Conducted semi-structured interviews with college-going students to understand the transformations in their social life amidst lockdown due to the Covid-19 Pandemic.
- Generated implications for Computer-Mediated Communication Technologies in facilitating spontaneous interaction, negotiating intimacy, mutual understanding and accessibility to different social groups.
- Short Paper accepted at INTERACT: IFIP Conference on Human-Computer Interaction, Bari, Italy, 2021.

Research Intern Gurgaon, India
Vox Populi Research *May 2019 – July 2019*
- Designed and developed a desktop application using *Qt* framework on python to automate the process of retrieving geographical data, speeding up project timeline by six months and reducing expenditure by 80%.
- Generated clusters from political data based on statistical indicators and created visualizations to profile them to make predictions for the upcoming elections.

Selected Publications

Erasing Labor with Labor: Dark Patterns and Lockstep Behaviors on Google Play Hypertext '22
Ashwin Singh, A Arun, P Malhotra, P Desur, A Jain, DH Chau, P Kumaraguru *Barcelona, Spain*

Diagnosing Data from ICTs to Provide Focused Assistance in Agricultural Adoptions ICTD '22
Ashwin Singh, M Subramanian, A Agarwal, P Priyadarshi, S Gupta, K Garimella, P Kumaraguru +5 *Seattle, USA*

Hanging Out Online: Social Life During the Pandemic INTERACT '21
Ashwin Singh, G Eden *Bari, Italy*

Achievements

- **Invited Keynote Talk**: Inclusive HRI Workshop, ACM/IEEE Human-Robot Interaction 2023.

- **SIGWEB Travel Grant**: Awarded travel support of $1400 for attending ACM Hypertext 2022.

- **SIGCHI Registration Grant**: Awarded registration support of €650 for attending ACM Hypertext 2022.

- **Invited Feature**, The AI Ethics Brief (Readership: 6000+ technical leaders and policymakers worldwide).

- **Dean's List of Academics**: Awarded for demonstrating excellence in academic years 2019-20 and 2020-21.

- **Dean's Letter of Appreciation** for significant achievements in B.Tech. thesis ($<$2% students).

Academic Service

Organizer   NeurIPS '22, AAAI '22, NeurIPS '21
Queer In AI Affinity Workshops

- Moderated a panel on Caste in Institutions and Tech that involved scholars and activists from backgrounds spanning anthropology, STS, policy, law and economics. (Read Twitter Thread 🔗)
- Hosted a talk on inconsideration for queer and transgender identities in the digitization of criminal records in India and its implications for AI systems built on top of that data.

Reviewer   Queer In AI Affinity Workshops (2021-Present), INTERACT '21

Teaching

Head Teaching Assistant   IIIT Delhi
CSE648: Privacy and Security in Online Social Media   *January 2021 - May 2021*
Course Instructor: Prof. Ponnurangam Kumaraguru

Designed coursework including quizzes, homeworks and exams that involved data collection from social media, creating visualisations, network analysis, NLP and applied machine learning. Led a team of eight teaching assistants in a class of 250+ junior, senior and graduate students.

Teaching Assistant   IIIT Delhi
MTH201: Probability and Statistics   *January 2020 - May 2020*
Course Instructor: Prof. Acushla Saraswat

Conducted tutorials, graded student submissions and typeset class notes in LaTeX.

Skills

Research Methods: Experiment Design, Regression Analysis, Social Network Analysis, Surveys, Participatory Design, Qualitative Coding, Interviews

Tools & Technologies: Gephi, MongoDB, Plotly, scikit-learn, numpy, pandas, SHAP, Tweepy, Github

Programming Languages: python, R, JAVA

Relevant Coursework: Privacy and Security in Social Media[†], Anthropology of Social Media, Machine Learning, Design of Human Centered Systems[†], Affective Computing[†], Statistical Inference, Stochastic Processes and Applications, Probability and Statistics, Linear Optimization, Numerical Partial Differential Equations[†], Foundations of Computer Security **(† = Graduate Level Courses)**.

References

- **Dr. Ponnurangam Kumaraguru**, Professor, IIIT Hyderabad: pk.guru@iiit.ac.in

- **Dr. Luca Soldaini**, Applied Research Scientist, Allen Institute for AI and Queer in AI: lucas@allenai.org