

Siddharth Mehrotra

Postdoc Researcher @ University of Amsterdam : Human-AI Interaction | AI Safety
Top 100 Young CS Researcher @HLForum | he/him

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☰ Research Culmination

As a computer scientist and a citizen trust scholar, I investigate the socio-technical nature of AI systems, focusing on how users interact with such systems and decision-making mechanisms they employ to trust them. I enjoy working in interdisciplinary teams and creating synergy between humans and technology by understanding, shaping and using fundamentals of interaction.

🎓 Education

- Apr '20 - Apr '24 **Delft University of Technology, Delft, The Netherlands (QS World Top 10 Engineering & Technology).**
PhD - Computer Science / Human Computer Interaction
Research Focus : *Designing for appropriate trust in Human-AI interaction.*
Supervisors : [Dr. Myrthe Tielman](#) & [Prof. dr. Catholijn M. Jonker](#)
- Oct '17 - Feb '20 **RWTH Aachen University, Aachen, Germany (THE World Top 50 in Computer Science)**
Master of Science - Media Informatics (HCI), Scored 1,0 (highest grade) in thesis 🏆
Research Focus : *Mixed method studies - quantitative and qualitative, HCI, and Psychology.*
Supervisors : [Prof. Jan Borchers](#) & [Prof. Marianna Obrist](#) (UCL, then Sussex)
- Aug '11 - Jun '15 **Galgotias University, Greater Noida, India.**
Bachelor of Technology - Computer Science, Scored First Division with Distinction 🏆
Course work and Curriculum : IBM Innovation Center for Education

📁 Work Experience

- June 2024 - Present | **Postdoctoral Researcher, Informatics Institute, University of Amsterdam, Amsterdam, The Netherlands**
▶ Conducting research in assessing trustworthiness of AI systems incorporating SDGs goals and ISO standards. Supervised by [Prof. dr. Maarten de Rijke](#)
▶ Research Impact Officer for [ICAI labs](#) - helping labs disseminate their research outputs for impact.
Skills: Trustworthy AI | Models Auditing | Semi-structured interviews | Policy Making | GDPR | AI Act
- August 2024 - Present | **Visiting Postdoctoral Researcher, Delft University of Technology, Delft, The Netherlands**
▶ Conducting research on what can policy makers, system designers, and civil servants do (differently) to ensure AI systems are safe and used responsibly, both in development as well as in governance?
▶ Member of the Socio-technical AI systems Lab supervised by [dr. Roel Dobbe](#).
Skills: AI Safety | Multi stakeholder Analysis | Prototype Development | Empirical Studies | R | Python
- Aug 2024 - Aug 2025 | **Postdoctoral Researcher, Vrije University of Amsterdam, Amsterdam, The Netherlands**
▶ Explored missing sociotechnical perspectives in global discussions on citizen trust in public sector AI systems. Supervised by [Prof. dr. Madalina-Busuioic](#)
▶ Member of the [Artificial Intelligence and Digital Governance \(AIDG\)](#) Lab.
Skills: Data Analysis | User Research | Hypothesis testing | Field study | R | C++
- Feb 2020 - Mar 2020 | **Intern - Digital Platforms, Mazda Motor Europe, Leverkusen, Germany**
▶ Accomplished higher response rate for [CX-5 vehicle showroom web-page](#) as measured by increase in number of visitors by focusing upon UX design rules.
▶ Provided support to all European markets for website UX and design recommendations.
Skills: Python | Design Guidelines | Mixed methods research | Usability testing | Conducting workshops
- June 2019 - Dec 2019 | **Student Assistant - Usability, Usable Security And Privacy Group, University of Bonn, Germany**
▶ Accomplished identifying usability bugs as measured by usability study by doing a eye-tracking study.
▶ A Cooperation research project with ETH Zürich for usability and UX analysis of [SCION](#) (Scalability, Control, and Isolation On Next-Generation Networks).
Skills: Eye Tracking | Remote Usability Testing | Multivariate Statistics | Logs Analysis | Running (remote) Experiments
- January 2018 - Feb 2019 | **Working Student - Digital Platforms, GROHE AG, Düsseldorf, Germany**
▶ Accomplished higher user satisfaction level for [Grohe Sense](#) as measured by users responses (4/5 star ratings) by analyzing usability issues.
▶ Managed SAP Hybris, CELUM, JIRA : Content Management Systems (CMS) for all European markets.
Skills: HTML5 | CSS3 | JIRA | Design Thinking | Confluence | A/B testing | Camtasia | KPIs | Discovery Research

December 2016 -
September 2017

Intern, UX Research, Siemens Research & Development, Bangalore, India

- Accomplished successfully completing 5 B2B projects as measured by 1 patent and 2 research publications by designing, developing and analyzing Augmented Reality (AR) based prototypes.
- Conducted eye-tracking studies, large-scale experiments, surveys, and semi-structured interviews.

Skills: Prototyping User Interfaces IBM SPSS Axure Balsamiq Experiment Design Experience Sampling MATLAB

May 2014 -
June 2014

Research Intern, Indian Institute of Technology, Guwahati, India

Mentor: pour Dr. Samit Bhattacharya

- Accomplished devising Russel circumplex model UI for emotion detection.
- Conducted Literature Review, Cognitive Walkthrough, Heuristic & Model Based (GOMS) Evaluation.

Skills: Behavioral Design Research Methods Visual Studio Statistics Psychology PsychoPy Technical Writing C

“ Acquired Funding

Principal Investigator :

[01] [Amsterdam University Fund \(AUF\) Imapct Award](#) for the project “Digital Companion : An AI-Powered Support System for Young Adult Caregivers’ Well-being.” ~ €25,000

[02] [DAAD Alnet Fellowship](#) for the Postdoc-NeT-AI 11/2023 networking week on Human-centered AI in Germany. ~ €5,000

[03] TAILOR (Foundations of Trustworthy AI – Integrating Reasoning, Learning and Optimization) Connectivity Fund : [Fostering Appropriate Trust in Predictive Policing AI Systems](#). Funded by EU Horizon 2020 ~ €11,000

Co-applicant :

[01] [Alumnod](#) : [Klaus Tschira Stiftung](#) Projects and Collaboration funding on Advancing Understanding of Morally Dubious Manipulation : An Interdisciplinary Investigation. ~ €6,000

“ Patent

RamaKrishnaRaja P., Kamboj V. and **Mehrotra S.**, Enhancing Situational Awareness using Augmented Reality. ([US 2021/0248525 A1, Patent Published - August 2021](#))

Devised & Developed Hololens based working prototype for off shore rig workers to better coordinate and address the issue at hand.

“ Journal Articles

¹ [01] **Mehrotra S.**, Huang J., Fu X., Dobbe R., Sánchez Gutiérrez C., and de Rijke M., Understanding AI Trustworthiness : A Scoping Review of FAccT & AIES articles *in submission at* Journal of Artificial Intelligence Research ([JAIR](#)) (2026)

[02] Pascal König and **Mehrotra S.**, Emotional Responses to Artificial Intelligence Systems : A Systematic Review *to appear in* [International Journal of Human-Computer Interaction](#) (2025)

[03] **Mehrotra S.**, Degachi C., Jonker C.M. and Tielman M. L., A Systematic Review on Fostering Appropriate Trust in Human-AI Interaction : Trends, Opportunities and Challenges *published in* [ACM Journal on Responsible Computing](#) (2024)

✂[04] ² **Mehrotra S.**, Jorge C., Jonker C.M. and Tielman M. L., Integrity Based Explanations for Fostering Appropriate Trust in AI Agents *published in* [ACM Transactions on Interactive Intelligent Systems](#) (2023)

[05] Ulfret-Blank A., Jorge C., Georganta E., **Mehrotra S.** and Tielman M., “Team Trust in Human-Agent Teams : A Multidisciplinary Review and Theoretical Model” ; *published in* [European Journal of Work and Organizational Psychology](#) - 2021

[06] Agarwal, A., Sharma, N. K., Gupta, P., Saxena, P., Pal R. K., **Mehrotra, S.**, Nair P. and Wadhwa, M. (2014). Mobile Application Development with Augmented Reality *published in* [International Journal of Computer Sciences and Engineering](#), Volume 2, 20-25

“ Book Chapter, Full & Short Papers

[01] **Mehrotra S.**, Gadiraju, U., Bittner, E., van Delden, F., M. Jonker, C., & L. Tielman, M. “Even explanations will not help in trusting [this] fundamentally biased system” : A Predictive Policing Case-Study. *in proceedings of* the 33rd ACM Conference on User Modeling, Adaptation and Personalization ([ACM UMAP](#)) (2025)

[03] **Mehrotra S.** and Hladíková S., AI Governance in India : A policy analysis and interviews with stakeholders *in submission at* ACM Conference on Human Factors in Computing Systems ([CHI](#)) (2026)

[04] **Mehrotra S.** and Ivanescu C., Faith as a Service (FaaS) : Unveiling the Impact and Boundaries of AI-Powered Religious Chatbots *in submission at* ACM Conference on Human Factors in Computing Systems ([CHI](#)) (2026)


[05] **Mehrotra S.***, Degachi C.*, Yurrita S. M., Niforatos E. and Tielman M. ; “Practising Appropriate Trust in Human-Centred AI Design.” ; *in proceedings of* ACM CHI Conference on Human Factors in Computing Systems - Late Breaking Work (2024) ([CHI '24](#)) ³

1. [X] link contains the full-text.

2. Editor in chief featured article of 2024 for ACM Transactions in Interactive Intelligent Systems ~ Best Paper Award

3. *equal contribution

[06] Jorge C., Zoelen E., Verhagen R., **Mehrotra S.**, Jonker C.M. and Tielman M. L. Appropriate Context-Dependent Artificial Trust in Human-Machine Teamwork *published as a book chapter in Putting AI in the Critical Loop : Assured Trust and Autonomy in Human-Machine Teams*, Paperback ISBN : 9780443159886 (2024).

 [07] **Mehrotra S.**, Jorge C., Jonker C.M. and Tielman M. L., Building Appropriate Trust in AI : The Significance of Integrity-Centered Explanations *in proceedings of 2nd International Conference on Hybrid Human-Artificial Intelligence (HHAI) (2023)*⁴


[08] **Mehrotra S.***, Brocker A.*, Obrist M. and Borchers J.; “The Scent of Collaboration : Exploring the Effect of Smell on Social Interactions”; *in proceedings of ACM CHI Conference on Human Factors in Computing Systems - Late Breaking Work (CHI '22)*

[09] **Mehrotra S.**, Jonker C.M. and Tielman M. L. , More Similar Values, More Trust? Effect of Value Similarity on Human-AI trust *in proceedings of 4th AAAI/ACM Conference on AI, Ethics, and Society (AIES '21) - 2021 (Full Paper)*.

[10] **Mehrotra S.**, Modelling trust in Human-AI interaction *in 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS) - 2021 and ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2022 - Doctoral Consortium*

[11] Jorge C., **Mehrotra S.**, Jonker C.M. and Tielman M. L., Trust should correspond to Trustworthiness : a Formalization of Appropriate Mutual Trust in Human-Agent Teams *in proceedings of 22nd edition of TRUST workshop at 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS) - 2021. (Full Paper)*.

[12] P. Agroudy, X. Wang, E. Stemasov, T. Hirzle, S. Shishkovets, **Mehrotra S.** and A. Schmidt; SpotlessMind - A Design Probe for Eliciting Attitudes towards Sharing Neurofeedback; *in proceedings of ACM Augmented Humans - 2020 (Full Paper)*.

 [13] **Mehrotra S.**, Potmote : A TV Remote Control for Older Adults *in proceedings for Student Research Competition at ACM SIGACCESS Conference on Computers and Accessibility - ASSETS (Short Paper) (2018)*⁵

 [14] **Mehrotra S.**, Shukla A and Roy D, “Neurophysiological Investigation of context modulation based on Musical Stimulus” *in proceedings of 14th International Conference on Music Perception and Cognition ICMPC '16, USA. (Full Paper)- Travel Grant*

[15] **Mehrotra S.**, Peeters M., Motti Genaro V., Frijns H., Akkoc T., Yengec Busra Sena, Calik O. and Neerincx A.M.; “Embodied Conversational Interfaces for the Elderly User”; *in proceedings of ACM India HCI (2016). (Full Paper)*

[16] Peeters, M. M., Motti, V. G., Frijns, H., **Mehrotra, S.**, Akkoç, T., ... & Neerincx, M. A. (2016, January). Design and Development of a Physical and a Virtual Embodied Conversational Agent for Social Support of Older Adults. **CTIT**, the Netherlands.

[17] **Mehrotra S.** and Dhande R., “Smart home and Smart cities : From Realisation to Reality” *in proceedings of International Conference on Green Computing and Internet of Things, India. ICGIoT, 2015. (Full Paper)*

Awards & Achievements

1) **Finalists of Amsterdam Science Award** Selected among top 3 society category finalists for the Amsterdam Science Award (2025)

2) Selected as **the only PhD student** for Responsible AI and Human Centred Technology group of Google in the **Google Summer of Code 2022 program** (2022).

3) **Heidelberg Laureate Scholar** : Selected among Top 100 Young Researchers worldwide in Computer Science Category to attend 6th Heidelberg Laureate Forum (2018) and in (2025) as an alumni.

4) Selected as **one of only 34 students** from thousands of applicants across EMEA to attend **Google’s exclusive Inside Look 2020 program**, which included technical and developmental content (2020).

5) Awarded **CASE Zertifikat for being among Top 6% students in Computer Science** by candidate select GmbH in Germany (2021).

6) Among 25 Young Researchers worldwide to receive **SAP Grant** to attend Heidelberg Laureate Forum 2018.

7) **Bronze Medalist at ACM Student Research Competition** at ACM SIGACCESS Conference on Computers & Accessibility (2018).

8) Finalist for **UIST Student Innovation Contest** at ACM UIST Symposium (2018).

9) **First place** in br41n.io Hackathon - **UIST School** at ACM UIST Symposium (2018).

10) **Dr. Jost Henkel Stiftung Scholarship** recipient (2019)

11) **Germany Education Fund RWTH Scholarship** recipient (2018-19)

12) **e-fellows.net scholarship** (2018-20)

13) Award winner of **SEMPRE** (Society for Education and Music Psychology Research) **Travel Grant** to attend ICMPC, USA (2015).

14) **SolarWinds Certified Professional** : Network Management (2014)

15) **Microsoft Specialist** : Server Virtualization with Windows Server Hyper-V and System Centre (2014)

16) **Microsoft Certified Professional** : Programming in HTML5 with JavaScript and CSS3 (2013)

4. Best Poster Award - HHAI 2023

5. Bronze Medal

17) Founder **Google Developer Group** (GDG) - Galgotias University, a sub-chapter of GDG New Delhi, India (2013)

18) **Microsoft Student Partner** (*now* Microsoft Learn Student Ambassador) (2012 - 2015)

19) **Member of App review board** for Microsoft (2013 - 2014)

Research Visits

1) Max Planck Institute for Security and Privacy, Bochum, Germany (**April 2024**)

2) Socio-Technical System Design Group, University of Hamburg, Hamburg Germany (**May - June 2023**)

Teaching and Supervision

University Teaching Qualification (UTQ) :

Completed UTQ training in May 2025 and waiting for final assessment for the qualification.

Teaching and Supervision :

Course @ University of Amsterdam : Data Systems Project - Advanced HCI (2025)

Course @ VU Amsterdam : AI in Government (2024)

Course @ TU Delft : Human Computer Interaction (2021, 2022, 2023)

Course @ TU Delft : Object Oriented Programming (2021)

Current Students :

Vanshita Sharma Kumar, Asal Mehrabi, Tim Hol (MSc); Selma Gabriel (BSc)

Past Students :

Xuelong Fu (BSc), Redouan Semlali (BSc), Alan van Rossum (MSc), and Chadha Degachi (MSc)

Invited Talks

1) [Citizen-Centric AI Systems Seminar](#), University of Southampton, UK (November 2025)

2) Department of Computer Science & Engineering, IIT Madras, India (November 2025)

3) Hybrid Society Podcast | [The Hidden Cost of Trusting AI more than ourselves](#) (October 2025)

4) School of Artificial Intelligence & Data Engineering, IIT Ropar (October 2025)

5) Department of Computer Science & Information Studies, BITS Pilani, India (June 2024)

6) Mehta Family School of DS & AI, IIT Roorkee, India (April, 2024)

7) Center for Safe AI, TU Eindhoven (March, 2024)

8) [Workshop Measuring Manipulation : Fostering Human Autonomy](#) (Delft Design for Values Institute, TU Delft, December 2024)

9) [Authenticity in the Digital Age : Designing for Appropriate Trust](#) (Tilburg University, April 2023)

10) Hybrid Intelligence Centre (Virtual - Leiden University, June 2022)

Community Service

Program Committee Member :

CHI '25, '24, FAccT '25, '24, '23 and Multitrust workshop at HHA1 '24, '23

Accessibility co-chair FAccT '25, '24 & CSCW '23


SIGCHI Team Lead - Inclusive Events '19

Conference Reviewer :

CHI'26, IUI '25, CHI '25, FAccT '24, '23, CHI'24*, NeurIPS'23, CHI'23*, HRI '24 '23 '22 '21, CSCW '21 '19 '18, CHI'21* '20 '19, DIS'20, UIST'19;

Journal Reviewer :

Nature Human Behaviour, AI & Ethics, ACM Transactions on Intelligent Systems and Technology, International Journal of HCI

* Special Recognition for Outstanding Reviews 

Other

Languages :

Hindi, English, Punjabi, German (A2- Elementary) and Dutch (A2- Elementary)

Sports :

Cricket, Yoga, Fitness-Gym and Trekking

Aviation :

Skyhawk Cessna 172 (Co-pilot)