

Aakash Sharma

Curriculum Vitæ — October, 2024

ORCID: [0000-0003-3965-3271](https://orcid.org/0000-0003-3965-3271) — aakash.sharma@uit.no — lohpi.com

EDUCATION

- expected*
2024 **Ph.D. in Computer Science**, UiT – The Arctic University of Norway, Norway.
Thesis: *Lohpi: A System for Compliant Research Data Sharing and Processing*.
Supervisors: Prof. Dag Johansen, Prof. Håvard Dagenborg.
- 2017 **M.Sc. in Distributed Software Systems**, Technical University of Darmstadt, Germany.
Thesis: *Differential Map Updates for Highly Automated Driving and Enhanced Driver Assistance Services*.
Supervisors: Prof. Dr.-Ing. Ralf Steinmetz, Dr. Florian Jomrich.
- 2009 **B.Eng. in Information Technology**, Sant Gadge Baba Amravati University, India.

PROFESSIONAL EXPERIENCE

- 2023– **Researcher**, UiT – The Arctic University of Norway, Norway.
- 2017–21 **Ph.D. Candidate**, UiT – The Arctic University of Norway, Norway.
- 2016–17 **Student Employee (BI Developer)**, Polytech Domilens GmbH, Germany.
- 2015–16 **Student Research Assistant**, Ubiquitous Knowledge Processing (UKP) Lab, Technical University of Darmstadt, Germany.
- 2013–14 **Web Developer**, Digital India Corporation (*formerly* Media Lab Asia), India.
- 2010–13 **Systems Software Engineer**, IBM India Software Labs, India.
- 2009–10 **Software Engineer**, Persistent Systems Limited, India.
- 2009–9 **Trainee**, Persistent Systems Limited, India.

HONORS & AWARDS

- 2024 Mobility Grant for EUGLOH Co-Creating Innovation Week <https://www.eugloh.eu/events/co-creating-innovation>
- 2023 Winner of ICE Creative North Hackathon https://www.linkedin.com/posts/ice-kirkenes_iceif2024-changemakers-arctic-activity-7121113712349855744-Zhnf
- 2018 Winner of Reading Group Competition at ICVSS 2018 <https://iplab.dmi.unict.it/icvss2018/>

PUBLICATIONS

- 2023 **Aakash Sharma**, Katja P. Czerwinska, Dag Johansen, and Håvard Dagenborg. Capturing Nutrition Data for Sports: Challenges and Ethical Issues, *MultiMedia Modeling. MMM 2023. Lecture Notes in Computer Science, vol 13833. Springer, Cham..* doi:[10.1007/978-3-031-27077-2_47](https://doi.org/10.1007/978-3-031-27077-2_47)
- 2022 Pietro Randine, **Aakash Sharma**, Gunnar Hartvigsen, Håvard D. Johansen and Eirik Årsand. Information and Communication Technology-based Interventions for Chronic Diseases Consultation: Scoping Review, *International Journal of Medical Informatics.* doi:[10.1016/j.ijmedinf.2022.104784](https://doi.org/10.1016/j.ijmedinf.2022.104784)
- 2021 **Aakash Sharma**, Thomas B. Nilsen, Sivert Johansen, Dag Johansen and Håvard D. Johansen. Designing a Service for Compliant Sharing of Sensitive Research Data, *Risks and Security of Internet and Systems. CRiSIS 2021. Lecture Notes in Computer Science, vol 13204. Springer, Cham..* doi:[10.1007/978-3-031-02067-4_10](https://doi.org/10.1007/978-3-031-02067-4_10)
- 2021 **Aakash Sharma**, Thomas B. Nilsen, Lars Brenna, Dag Johansen and Håvard D. Johansen. Accountable Human Subject Research Data Processing using Lohpi, *Proceedings of the International Conference on ICT enhanced Social Sciences and Humanities (ICTeSSH).* doi:[10.21428/7a45813f.80ebd922](https://doi.org/10.21428/7a45813f.80ebd922)
- 2021 **Aakash Sharma**, Thomas B. Nilsen, Katja P. Czerwinska, Daria Onitiu, Lars Brenna, Dag Johansen and Håvard D. Johansen. Up-to-the-minute Privacy Policies via gossips in Participatory Epidemiological Studies, *Frontiers in Big Data.* doi:[10.3389/fdata.2021.624424](https://doi.org/10.3389/fdata.2021.624424).
- 2020 **Aakash Sharma**, Katja P. Czerwinska, Lars Brenna, Dag Johansen, Håvard D. Johansen. Privacy Perceptions and Concerns in Image-Based Dietary Assessment Systems: Questionnaire-Based Study, *JMIR Hum Factors* doi:[10.2196/19085](https://doi.org/10.2196/19085).
- 2019 Florian Jomrich, **Aakash Sharma**, Tobias Rückelt, Doreen Böhnstedt, Ralf Steinmetz. Intelligent Offloading Distribution of High Definition Street Maps for Highly Automated Vehicles, *Smart Cities, Green Technologies, and Intelligent Transport Systems, Springer, Cham* doi:[10.1007/978-3-030-02907-4_11](https://doi.org/10.1007/978-3-030-02907-4_11).
- 2017 Florian Jomrich, **Aakash Sharma**, Tobias Rückelt, Daniel Burgstahler, Doreen Böhnstedt. Dynamic Map Update Protocol for Highly Automated Driving Vehicles, *Proceedings of the International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS)*, doi:[10.5220/0006279800680078](https://doi.org/10.5220/0006279800680078).

INVITED TALKS

- 2021 Compliant Sharing of Sensitive Data with Lohpi, *BBChain Project Meeting, University of Stavanger, Norway.*
- 2021 Compliant Sharing of Sensitive Data with Dataverse and Lohpi, *Dataverse Community Meeting, Session - Sensitive Data.* <https://youtu.be/q3irpQ4r0yU?t=3521>
- 2021 Up-to-the-minute Data Policy Updates for Participatory Studies, *Befolkningsundersøkelser i Nord (BiN) Project Technical Meeting, Norway.*

TEACHING AND SUPERVISION

- 2024-25 [Foundational Course in University Pedagogy](#) (UNIPED-100).
- 2021 Master Thesis Co-supervision : [Sivert Johansen](#)
- 2020 Took [University Pedagogy for PhD Candidates](#) course.
- 2020 Teaching Assistant for Advanced Distributed Systems (INF-3203).
- 2019-20 Teaching Assistant for Distributed Systems Fundamentals (INF-3200).

OPEN-SOURCE SOFTWARE

WebAnno 3.0 – <https://webanno.github.io/webanno/>

A Flexible, Web-based and Visually Supported System for Distributed Annotations.

osm2pgrouting – [osm2pgrouting on GitHub](#)

Import tool for OpenStreetMap data to pgRouting database.

ACADEMIC SERVICE

- 2018– **Social Media Editor** ACM SIGOPS.
- 2020–23 **Artifact Evaluation Committee** SOSP '20, OSDI '21, WOOT '23.
- 2022 **PC Member** 29th International Conference on Multimedia Modeling.
- 2020 **Shadow PC** European Conference on Computer Systems (EuroSys) 2020.
- 2018–19 **Vice Board-Chair** Doctoral Students at UiT – The Arctic University of Norway.
- 2018 **Poster Chair** 1st ACM SIGOPS Summer School on Advanced Topics in Systems.
- 2016 **Student Volunteer** ISC High Performance Conference.

WORKSHOPS AND SCHOOLS

- 2020 2nd Human Behavior and Machine Intelligence (HUMAINTE) Winter School.
- 2018 1st ACM SIGOPS Summer School on Advanced Topics in Systems (SATIS).
- 2018 12th International Computer Vision Summer School (ICVSS).
- 2018 12th European Conference on Computer Systems (EuroSys) Doctoral Workshop.
- 2017 2nd International Workshop on Personal Data Systems (PDS).

LANGUAGES

English (*Fluent*), Norwegian Bokmål (*Intermediate*), German (*Basic*), Hindi (*Native*).