

Aakash Sharma

Curriculum Vitæ — March, 2023

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

EDUCATION

- expected*
2023 **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

- 2017–21 **Ph.D. Candidate**, UiT – The Arctic University of Norway, Norway
- 2016–17 **Student Employee**, 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, India
- 2009–9 **Trainee**, Persistent Systems, India

PUBLICATIONS

- 2023 **Aakash Sharma**, Katja P. Czerwinska, Dag Johansen, and Håvard Dagenborg. Capturing Nutrition Data for Sports: Challenges and Ethical Issues, *Proceedings of the 29th International Conference on Multimedia Modeling*. 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, *Befolkingsundersøkelser i Nord (BiN) Project Technical Meeting, Norway*

TEACHING AND SUPERVISION

- 2021 Master Thesis Co-supervision : [Sivert Johansen](#)
- 2020 Completed the course *Teaching and Learning in Higher Education*
- 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

2018–23 **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 (HUMAIN) 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*).