

Aakash Sharma

Curriculum Vitæ — October, 2021

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

EDUCATION

- expected*
2021 **Ph.D. in Computer Science**, UiT – The Arctic University of Norway, Norway
Thesis: *Lohpi: A System for Compliant Research Data Sharing and Processing* (working title)
Supervisors: Prof. Dag Johansen, Assoc. Prof. Håvard D. Johansen
- 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

- 2017–2021 **Ph.D. Candidate**, UiT – The Arctic University of Norway, Norway
- 2016–2017 **Student Employee**, Polytech Domilens GmbH, Germany
- 2015–2016 **Student Research Assistant**, Ubiquitous Knowledge Processing (UKP) Lab, Technical University of Darmstadt, Germany
- 2013–2014 **Web Developer**, Digital India Corporation (*formerly* Media Lab Asia), India
- 2010–2013 **Systems Software Engineer**, IBM India Software Labs, India
- 2009–2010 **Software Engineer**, Persistent Systems, India
- 2009–2009 **Trainee**, Persistent Systems, India

PUBLICATIONS

- 2021* **Aakash Sharma**, Thomas B. Nilsen, Sivert Johansen, Dag Johansen and Håvard D. Johansen. Designing a Service for Compliant Sharing of Sensitive Research Data, *Proceedings of the 16th International Conference on Risks and Security of Internet and Systems (CRiSIS)*. doi:[xxx](#)
- 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 Onitui, 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*
- 2021 Up-to-the-minute Data Policy Updates for Participatory Studies, *Befolkningsundersøkelser i Nord (BiN) Project Technical Meeting, Norway*

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

TEACHING

- INF-3200 Teaching Assistant for Distributed Systems Fundamentals (Fall 2019, 2020)
- INF-3203 Teaching Assistant for Advanced Distributed Systems (Spring 2020)
- 2020 Completed the course *Teaching and Learning in Higher Education* <https://result.uit.no/phd-course/>

ACADEMIC SERVICE

- 2020–2021 **Artifact Evaluation Committee** SOSP 2020, OSDI 2021

2018–2021 **Social Media Editor** ACM SIGOPS
2020 **Shadow PC** European Conference on Computer Systems (EuroSys) 2020
2018–2019 **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 (*Intermediate*), German (*Basic*), Hindi (*Native*)