

Aakash Sharma

Curriculum Vitæ — August, 2022

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

EDUCATION

- expected*
2022 **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 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

- 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. CRIStIS 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, *Befolkningundersøkelser i Nord (BiN) Project Technical Meeting, Norway*

TEACHING AND SUPERVISION

- 2021-2022 Master Thesis Co-supervision : [Sivert Johansen](#)
- 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*

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

- 2018–2022 **Social Media Editor** ACM SIGOPS
- 2020–2021 **Artifact Evaluation Committee** SOSP 2020, OSDI 2021
- 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 Bokmål (*Intermediate*), German (*Basic*), Hindi (*Native*)