

# Sharad Shriram

🏠 [www.sharadshriram.github.io](http://www.sharadshriram.github.io) | [📷 sharadshriram](#) | [in sharadshriram](#) | [🎓 Sharad Shriram](#)

## Summary

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I am interested in solving applied problems using human-in-the-loop AI workflows with focus on human computation, and privacy-preservation. This research theme is based off my master's thesis where I studied how human-AI teams can detect and obfuscate personal information in images. In my thesis, the interesting part was to build a knowledge collection of visual cues that can contain personal information in images through crowdsourcing. Recently the topics of "bias" and "fairness" in AI pique my interest. Going forward I am looking to explore the intersection of privacy-preservation, human computation and fairness in AI in real-life experiment settings.

## Work Experience

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### Google

PRE DOCTORAL RESEARCHER

*Bangalore, India*

*Jul. 2022 - Present*

### Google through Optimum Infosystems

DATA COMMONS ASSOCIATE

*Bangalore, India*

*Aug. 2021 - Jun. 2022*

- Designing new schema and developing scripts to expand the coverage of the open knowledge graph project: Data Commons hosted at Google.

### Centre for Networked Intelligence, Indian Institute of Science

TECHNICAL ASSOCIATE

*Bangalore, India*

*Dec. 2019 - Jul. 2021*

- Designed and developed web-application for the CoVID-19 response project prototypes: (i) Optimal design for serosurveys, (ii) Campus-scale agent-based simulator as a service
- Part of the CoVID-19 response team at the centre working on different projects with publications in AAMAS 2021; Journ. of IISc., 2020; Sankhya B, 2020.
- Explored tools to develop and offer online hands-on networking courses. This work was discussed in the ACM SIGCOMM Online Networking Education Discussion Workshop, 2020

### Delft University of Technology

MASTER THESIS STUDENT

*Delft, the Netherlands*

*Sep. 2018 - Aug. 2019*

- Explored the research idea of combining human intelligence with AI to detect and obfuscate personally identifiable information in images.
- The thesis was compiled under the title "A Human-Machine Approach to Preserve Privacy in Image Analysis Crowd-sourcing Tasks under the supervision of Prof.dr.ir. Alessandro Bozzon.

### Delft University of Technology

TEACHING ASSISTANT

*Delft, the Netherlands*

*Sep. 2018 - Jan. 2019*

- Teaching and Lab Assistant for Web Science and Engineering (graduate course) and Introduction to programming in python (undergraduate course)

### IBM Netherlands BV

EXTREME BLUE INTERN

*Amsterdam, the Netherlands*

*May. 2018 - Aug. 2018*

- Engaged with the client team (a leading company in the Food and Beverage sector) to understand their proposed supply-chain-related problem statement
- Worked as the Lead Developer in the team to design and develop a prototype solution for the client.

### Amrita Vishwa Vidyapeetham (University)

UNDERGRADUATE STUDENT RESEARCHER

*Coimbatore, India*

*Sep. 2014 - Jun. 2016*

- Worked on research projects that combined Internet of Things (IoT) with AI to solve practical problems. These projects appear as publications in IEEE ANTS(2016), ACM e-Energy(2015), Elsevier Procedia Computer Science(2016)

## Education

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### TU Delft (Delft University of Technology)

M.S. IN COMPUTER SCIENCE

*Delft, the Netherlands*

*Sep. 2017 - Aug. 2019*

### Amrita Vishwa Vidyapeetham

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

*Coimbatore, India*

*Aug. 2012 - May. 2016*