

# Prashant Agrawal

✉ prashant@cse.iitd.ac.in

🌐 <https://sites.google.com/view/agrawalprash>

## Education and Work Experience

- 2018 – 2024 **Ph.D. (thesis submitted), IIT Delhi** in Computer Science and Engineering  
Thesis title: *Securing Democracies: Building Trust in Large Public Elections.* 🔗
- 2023 – 2024 **Research Associate, Ashoka University** in Centre for Digitalisation, AI and Society.
- 2016 – 2018 **Senior Software Engineer, NVIDIA** Pune, India.
- 2012 – 2016 **Software Engineer and Technical Lead, Enthought Inc.** Pune and Mumbai, India.
- 2011 – 2012 **Engineer, Eaton Technologies Private Limited** Pune, India.
- 2006 – 2011 **B.Tech.+M.Tech. (Dual Degree), IIT Bombay** in Aerospace Engineering.  
Thesis title: *A 3D Viscous Flow Solver Using Vortex Methods.*

## Publications

- 1 **P. Agrawal**, K. Tomer, A. Nakarmi, M. P. Jhanwar, S. Sharma, and S. Banerjee, “OpenVoting: Recoverability from Failures in Dual Voting,” in *E-VOTE-ID*, 2023. 🔗
- 2 **P. Agrawal**, A. Nakarmi, M. P. Jhanwar, S. Sharma, and S. Banerjee, “Traceable Mixnets,” in *Privacy Enhancing Technologies Symposium (PETS)*, 2024. 🔗
- 3 **P. Agrawal**, M. P. Jhanwar, S. Sharma, and S. Banerjee, “Publicly Auditable Privacy-Preserving Electoral Rolls,” in *IEEE Computer Security Foundations (CSF) Symposium*, 2024. 🔗
- 4 A. Varshney, **P. Agrawal**, and M. P. Jhanwar, “YouChoose: A LightWeight Anonymous Proof of Account Ownership,” *arXiv preprint*, 2024. 🔗
- 5 **P. Agrawal**, S. Sharma, A. Sagar, and S. Banerjee, “On Health Data Architecture Design,” in *Private and Controversial: When Public Health and Privacy Meet in India*, HarperCollins Publishers India, 2023. 🔗
- 6 **P. Agrawal**, S. Sharma, and S. Banerjee, “Blockchain vs Public Bulletin Board for Integrity of Elections and Electoral Rolls,” *The India Forum*, 2021. 🔗
- 7 **P. Agrawal**, A. Singh, M. Raghavan, S. Sharma, and S. Banerjee, “An Operational Architecture for Privacy-by-Design in Public Service Applications,” *arXiv preprint*, 2020. 🔗

## Skills

Analytical skills; cryptographic protocol design and proof techniques; programming and software design

## Miscellaneous

- 2024 **Talk:** “Traceable Mixnets”, University of Michigan, USA.
- 2023 **Talk:** “A Walk in the Privacy Zoo: Unpacking CS and Legal Perspectives”, Ashoka Univ., India.  
**Talk:** “Bringing Transparency and Recoverability to Electronic Voting”, IIT Kanpur, India.
- 2020 **Conducted workshop** “Privacy by Design for Public Service Applications”, HasGeek, Online.
- 2019 **Attended SAT+SMT School**, IIT Bombay, India.  
**Research internship** on Pairing-Based Cryptography, Tokyo University, Japan.
- 2018 **Attended Winter School** on Blockchain Technology, Hebrew University, Israel.