

## GAURI SHANKAR

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### Degrees

- 2024-Present** Doctoral Student, Software Engineering,  
Lappeenranta-Lahti University of Technology LUT, Lappeenranta,  
Finland, Contact details: [Lappeenranta Campus](#), Yliopistonkatu 34,  
53850 Lappeenranta, Finland, Tel. +358 29 446 2111
- 2019-2020** Master of Technology (Cybersecurity),  
Computer Science and Technology (Cybersecurity),  
Central University of Punjab, Bathinda, India, Contact details: Badal -  
Bathinda Rd, Ghudda, Punjab 151401, India, Phone: +91 164 286 4122
- 2014 - 2018** Bachelor of Engineering, Computer Science and Engineering,  
Chhattisgarh Swami Vivekanand University, Bhilai, India, Contact  
details: Newai, P.O.-Newai, District- Durg (Chhattisgarh), INDIA Tel.:  
+91-788-2200062

### Other education and expertise

- 2022** Advance Distributed System  
NPTEL Online Certification, IIT Madras, India
- 2022** IBM Cybersecurity Analyst Assessment  
Coursera Certificate, IBM
- 2022** Cryptography and Information Theory  
Coursera Certificate, University of Colorado

### Current employment

- 2024 - 2028** Junior Researcher, Software Engineering, Lappeenranta-Lahti  
University of Technology LUT, Lappeenranta, Finland.  
Stage of the academic research: II

### Previous work experience

- 2022-2023** Junior Research Fellow, Computer Science and Engineering NIT  
Raipur, India

**2021-2022** Assistant Professor, Chandigarh University, Department of Computer science and Engineering, India

## Language skills

- Hindi - Native language
- English – B2

## Research output

- Shankar, G., Uddin, M. R., Mukta, S., Kumar, P., Islam, S., & Islam, A. K. M. (2024). Blockchain Based Information Security and Privacy Protection: Challenges and Future Directions using Computational Literature Review. Proceedings of the 58th Hawaii International Conference on System Sciences (2025), <https://hdl.handle.net/10125/108945>
- Uddin, Md Raihan; Shankar, Gauri; Mukta, Md. Saddam Hossain; Kumar, Prabhat; and Islam, Najmul, "Evolving Topics in Federated Learning: Trends, and Emerging Directions for IS Research" (2024). *ICIS 2024 Proceedings*. 13. [https://aisel.aisnet.org/icis2024/lit\\_review/lit\\_review/13](https://aisel.aisnet.org/icis2024/lit_review/lit_review/13)
- Shankar, G., Singh, P., Dewangan, N. K., & Chandrakar, P. (2024). DEMRISEC: security enhancement of patient data in decentralized medical records with IPFS. Multimedia Tools and Applications, 1-18. <https://doi.org/10.1007/s11042-024-19444-w>
- Shankar, G., Ai-Farhani, L. H., Anitha Christy Angelin, P., Singh, P., Alqahtani, A., Singh, A., & Samori, I. A. (2023). Improved Multisignature Scheme for Authenticity of Digital Document in Digital Forensics Using Edward-Curve Digital Signature Algorithm. Security and Communication Networks, 2023(1), 2093407. <https://doi.org/10.1155/2023/2093407>
- Shankar, G., Kaur, G., & Gill, S. K. (2023). Security and Privacy Challenges in IoT System Resolving Using Blockchain Technology. In Convergence of IoT, Blockchain, and Computational Intelligence in Smart Cities (pp. 136-161). CRC Press. <https://doi.org/10.1201/9781003353034-8>

## Other key academic merits

- Reviewer for "Proceedings of the 58th Hawaii International Conference on System Sciences (HICSS-2025)", for following Minitracks:
  - AI Safety, Cybersecurity, and Inclusion through Advanced Text Analytics
  - Blockchain – Decentralized Digital Transformation
  - Cybersecurity and Privacy in Government
  - Emerging Topics in Digital Government
  - Organizational Cybersecurity: Advanced Cyber Defense, Cyber Analytics, and Security Operations