



Dr. Shivi Garg
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PERSONAL DETAILS

Name : Dr. Shivi Garg
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PROFESSIONAL QUALIFICATIONS

- i) **Ph.D.** in Information Technology from Indira Gandhi Delhi Technical University for Women (IGDTUW) (2021).
- ii) **M.Tech.** in Information Security from Delhi Technological University (DTU) (2014).
- iii) **B.Tech.** in Information Technology from YMCA University of Science and Technology (2011).
- iv) Other Qualification: GATE- Qualified, NET- Qualified

EXPERIENCE

9 Years of Teaching & Research experience in the field of Operating Systems, Database Systems, and Information security.

- i) Presently working as an Assistant Professor (from 26/09/2018) in the Department of Computer Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad.
- ii) Worked as Teaching Research Fellow (IT) from Oct 2017 – Sept 2018 in Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi
- iii) Worked as Guest Faculty (IT) from Aug 2016 – Sept 2017 in Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi

- iv) Consultant (Admissions & Financial Aid) from May 2015 – Mar 2016 in Indian School of Business (ISB), Hyderabad
- v) Assistant Professor (Computer Science) from Sept 2014 – Mar 2015 in MIET Bhandara, Nagpur
- vi) Software Engineer (Research & Development) from June 2011 – July 2012 in Cyber-Q Private Ltd, Delhi

THRUST AREAS

- Information Security
- Mobile Security

STUDENTS GUIDED

- i) **M. Tech.** : Sunidhi Chauhan (Completed)
- ii) **M.Tech.** : Akanksha Chaudhary (Completed)

PUBLICATIONS:

Total Number of Publications	:	abc
a) Research Papers in International Journals	:	09
b) Research Papers in National Journals	:	00
c) Research papers in International conferences	:	05
d) Research papers in National conferences	:	01

LIST OF PUBLICATIONS

(only write good impact factor publications. Max count 10)

1. Shivi Garg, and Niyati Baliyan. Comparative Analysis of Android and iOS from Security Viewpoint. **Computer Science Review**, vol. 40, p. 100372, 2021. IF = 8.757 Elsevier ([Read](https://doi.org/10.1016/j.cosrev.2021.100372)) <https://doi.org/10.1016/j.cosrev.2021.100372>
2. Shivi Garg, and Niyati Baliyan. "MalVulDroid: Tracing Vulnerabilities from Malware in Android using Natural Language Processing." Journal of Web Engineering, vol. 8, pp. 2339-2362, 2022. IF = 0.617 River Publishers (Read) <https://doi.org/10.13052/jwe1540-9589.2185>
3. Shivi Garg, and Niyati Baliyan. M2VMapper: Malware-to-Vulnerability mapping for Android using text processing. **Expert Systems with Applications**, vol 191, p. 116360, 2021. IF = 8.665 Elsevier ([Read](https://doi.org/10.1016/j.eswa.2021.116360)) <https://doi.org/10.1016/j.eswa.2021.116360>
4. Shivi Garg, and Niyati Baliyan. Android Security Assessment: A Review, Taxonomy and Research Gap Study **Computers & Security**, vol. 100, p. 102087, 2021. IF = 5.105 Elsevier ([Read](https://doi.org/10.1016/j.cose.2020.102087)) <https://doi.org/10.1016/j.cose.2020.102087>
5. Shivi Garg, and Niyati Baliyan. A Novel Parallel Classifier Scheme for Vulnerability Detection in Android. Computers and Electrical Engineering, Elsevier, IF = 4.152, vol. 77, pp. 12-26, July, 2019 <https://doi.org/10.1016/j.compeleceng.2019.04.019>

BOOKS AND BOOK CHAPTERS

Authored Books/ Edited Books:

Shivi Garg and Niyati Baliyan, "Mobile OS Vulnerabilities – Quantitative and Qualitative analysis" , August 2023, CRC Press

Book Chapters

1. Shivi Garg, and Niyati Baliyan. "Android Malware Classification using Ensemble Classifiers." Cloud Security: Concepts, Applications and Perspectives. CRC Press, 2021. 133-145.