



Shubham Kumar

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[Orchid ID](#) | [LinkedIn](#) | [Google Scholar Citation](#) | [ResearchGate](#)

PROFILE

- Assistant Professor at Integral University, Lucknow (17-04-2023-
- Senior-IT Faculty at iNurture Integral University, Lucknow (07-03-2022 – 16-04-2023)
- Ethical Hacker Trainer at The S_Corp (07-Nov-2018 to 28-Feb-2022)
- Overall experience of 5+ years as a security researcher in bug bounty hunting in bugcrowd.
- As a security researcher 5+ years of experience in manual Web application Vulnerability Assessment and Penetration Testing.
- 1 year of experience in software testing (manual and automation).
- As a security researcher Testing conducted on over 300+ web applications in Bugcrowd.
- A good knowledge of OWASP Top 10.
- Trained more than 3000 students on cyber security by conducting workshops in various universities.

RESEARCH INTEREST:

- Cyber Security and Ethical Hacking
- Bug Bounty Hunting and Vulnerability Identification
- Security Risk Management in Precision Agriculture Technologies
- Cyber Law and its Implications in Data Protection
- Development of Secure Software Systems and Protocols
- AI and Machine Learning Applications in Cyber Defense
- IoT and Cloud Security

PROFESSIONAL MEMBERSHIP:

- IAENG Member Number: 359950

COURSE TAUGHT:

- Ethical Hacking
- Cyber Security Incident Response Management System
- Artificial Intelligence
- Blockchain Technology

- Cyber Security
- C Programming
- C++ Programming
- Linux Administration
- Relational Database Management Systems (RDBMS)
- Network Security
- Application Security
- Introduction to Web Technology
- Installation and Configuration of Servers
- Advanced Virtualization
- Cyber Forensics

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- **Member of Cyber Awareness Club**, responsible for promoting cyber safety and security initiatives among students and faculty.
- **Editor of Monthly Cyber Bulletin Magazine**, published under the Cyber Awareness Club, covering the latest trends, news, and updates in cyber security.
- **Member of Criteria 2** (Teaching-Learning and Evaluation) for accreditation and quality assurance processes.
- **Member Secretary of Career and Professional Development Committee**, providing career guidance and skill development opportunities for students.
- **Coordinator of BCA 1st Year Group G**, managing academic and administrative responsibilities for the assigned student cohort.

STUDENTS SUPERVISION

- Supervised the "**Byte Battle Escape**" **Capture the Flag (CTF)** competition, a complete web-based project focused on cyber security challenges.
- Successfully mentored students through the development and execution of the project, emphasizing problem-solving and ethical hacking skills.
- Conducted and supervised **two CTF competitions** with grand success, engaging students in hands-on cybersecurity exercises and real-world scenarios.

BOOK EDITED/ AUTHORED

- Shubham Kumar, et.al. March 2023. "Information and Cyber Security" Scientific International Publishing House, ISBN978-93-5625-694-1

BOOK CHAPTERS

- Shubham Kumar, et.al. April (2024). Optimized Approaches for Cyber Forensics Tools Applications Case Studies. "Cyberology: Optimized Approach for Cyber-World" CRC Press (**Accepted**).
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