Mr. Abhishek Kumar Pandey

Personal Data

Name:	Mr. Abhishek Kumar Pandey
Gender:	Male
Place and Date of Birth:	Balrampur, India | 26 July 1999
Address:	Terhi Bazar Near G.I.C. Balrampur, Uttar Pradesh, India-271201
Phone:	+91 8545949246
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Work Experience

since 07/2022	Ph.D. in CSE from the Center for Security, Theory and Algorithmic Research (C-STAR), under the supervision of **Prof. Ashok Kumar Das**, International Institute of Information Technology, Hyderabad.
09/2021–06/2022	Assistant Professor (Guest) in Department of Computer Science, M. L. K. PG. College, Balrampur.
09/2020–08/2021	Researcher at Information Technology Laboratory, Babasaheb Bhimrao Ambedkar University, (A Central University), Lucknow under the supervision of Prof. R. A. Khan.

Scientific Education

06/2022 - Present	**Research Scholar.** International Institute of Information Technology, Hyderabad. Supervisor: Prof. Ashok Kumar Das
Laboratory	Center for Security, Theory and Algorithmic Research (C-STAR)
07/2018 - 07-2020	**M.Sc. Cyber Security** Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow Supervisor: Prof. R. A. Khan
Department	Department of Information Technology
07/2015 - 06-2018	**Bachelor of Computer Application (BCA)** Siddhartha University, Kapilvastu, India *Gold Medalist*
Department	Department of Computer Application

Research Interest

- **Broad:** Understanding and classifying various aspects of Cyber Security/Information Security and its different factors.

- **Current Focus:** Cybernetics, Cyber Physical System, Data Security, Health Informatics, Malware Analysis, Secure Web Application Development Strategies through MCDM methods.

Publication Statistics

Total No. of Book Chapters	04
Total No. of Journal Publications	17
Total No. Publications	**21**

Citation Indices

Citations	414
h-index	10
i10-index	10

Publications [Detailed]

SCI:	19
Web of Science:	21
Scopus:	21

Book Chapters [Ch-1 : Ch-4]

CH-4 Sarita Shukla, Vanshita Gupta, **Abhishek Kumar Pandey**, Rajat Sharma, Yogesh Pal, Bineet Kumar Gupta, Alka Agrawal. **Managing IoT – Cloud-based Security.** *Computational Intelligent Security in Wireless Communications. CRC Press* , 2022.

CH-3 **Abhishek Kumar Pandey**, Ashutosh Kumar Tripathi, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Selecting and Assessing the Importance of Malware Analysis Methods for Web-based Biomedical Services through Fuzzy based Decision Making Procedure.** *Recent advances in Nature Inspired Optimization Algorithms, Techniques and Biomedical Applications. De-Gruyter,* 2020.

CH-2 **Abhishek Kumar Pandey**, Ashutosh Tripathi, Gayatri Kapil, Virendra Singh, Mohd. Waris Khan, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Trends in Malware Attacks-Identification and Mitigation Strategies.** *Critical Concepts, Standards, and Techniques in Cyber Forensics. IGI Global* , 2019.

CH-1 **Abhishek Kumar Pandey**, Ashutosh Tripathi, Gayatri Kapil, Virendra Singh, Mohd. Waris Khan, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Current Challenges of Digital Forensics in Cyber Security.** *Critical Concepts, Standards, and Techniques in Cyber Forensics. IGI Global* , 2019.

Journal Articles [J-1 : J-17]

J-17 **Abhishek Kumar Pandey**, Ashok Kumar Das, Rajeev Kumar, Joel J. P. C. Rodrigues. **Secure Cyber Engineering for IoT-Enabled Smart Healthcare System.** *IEEE Internet of Things Magazin* , 2024.

J-16 Hosam Alhakami, Abdullah Baz, Wajdi Alhakami, **Abhishek Kumar Pandey**, Alka Agrawal, Raees Ahmad Khan. **A Usability Management Framework of Secure Healthcare Information System.** *Computer Systems Science and Engineering* , 2022.

J-15 **Abhishek Kumar Pandey**, Jehad F. Al-Amri, Ahmad F. Subahi, Rajeev Kumar, Raees Ahmad Khan. **Analyzing the Implications of COVID-19 Pandemic through an Intelligent-**

Computing Technique. *Computer Systems Science and Engineering* , 2021.

J-14 Mohammad Zarour, Mamdouh Alenezi, Md Tarique Jamal Ansari, **Abhishek Kumar Pandey**, Masood Ahmad, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Ensuring Data Integrity of Healthcare Information in the Era of Digital Health.** *Healthcare Technology Letters* , 2021.

J-13 Wael Alosaimi, Md Tarique Jamal Ansari, Abdullah Alharbi, Hashem Alyami, Adil Hussain Seh, **Abhishek Kumar Pandey**,Alka Agrawal, Raees Ahmad Khan. **Evaluating the Impact of Different Symmetrical Models of Ambient Assisted Living Systems.** *Symmetry. 13 (3), 450* , 2021.

J-12 Hashem Alyami, Mohd Faizan, Wael Alosaimi, Abdullah Alharbi, **Abhishek Kumar Pandey**, Md Tarique Jamal Ansari, Alka Agrawal, Raees Ahmad Khan. **An Ensemble Approach to Detect Firearm Listing for Identification of Key Vendors on the Dark Web Cryptomarkets.** *CSSE-Computer Systems Science and Engineering.* , 2021.

J-11 Wael Alosaimi, Abdullah Alharbi, Hashem Alyami, Masood Ahmad, **Abhishek Kumar Pandey**, Rajeev Kumar, Raees Ahmad Khan. **Impact of Tools and Techniques for Securing Consultancy Services.** *CSSE-Computer Systems Science and Engineering.* , 2021.

J-10 Abdulaziz Attaallah, Masood Ahmad, Md Tarique Jamal Ansari, **Abhishek Kumar Pandey**, Rajeev Kumar, Raees Ahmad Khan. **Evaluating Device Security of Internet of Healthcare Things.** *IASC-Intelligent Automation & Soft Computing.* , 2021.

J-9 Wajdi Alhakami, Abdullah Baz, Hosam Alhakami, **Abhishek Kumar Pandey**, Raees Ahmad Khan. **Symmetrical Model of Smart Healthcare Data Management: A Cybernetics Perspective.** *Symmetry. 12, 2089* , 2020.

J-8 Abdulaziz Attaallah, Sabita Khatri, Mohd Nadeem, Syed Anas Ansar, **Abhishek Kumar Pandey**, Alka Agrawal. **Prediction of COVID-19 Pandemic Spread in Kingdom of Saudi Arabia.** *CSSE- Computer Systems Science and Engineering.* , 2020.

J-7 Mamdouh Alenezi, **Abhishek Kumar Pandey**, Richa Verma, Mohd Faizan, Shalini Chandra, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Evaluating the Impact of Software Security Tactics: A Design Perspective.** *CMC-Computers, Materials & Continua.* , 2020.

J-6 Adil Hussain Seh, Masood Ahmad, Mohd Nadeem, **Abhishek Kumar Pandey**, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Usable-Security Assessment of Healthcare Software System Through Fuzzy ANP-TOPSIS Method.** *International Journal of System Dynamics Applications (IJSDA). Volume 10, Issue 4, Article 3* , 2022.

J-5 Alka Agrawal, **Abhishek Kumar Pandey**, Abdullah Baz, Hosam Alhakami, Wajdi Alhakami, Rajeev Kumar, Raees Ahmad Khan. **Evaluating the Security Impact of Healthcare Web Applications through Fuzzy based Hybrid Approach of Multi-Criteria Decision-Making Analysis.** *IEEE Access. Volume 8,* , 2020.

J-4 **Abhishek Kumar Pandey**, Fawaz Alsolami. **Securing Web Application through Malware Analysis: An Examination and Future Recommendations.** *International Journal of Advanced Computer Science and Applications (IJACSA). Volume 11, Issue 7* , 2020.

J-3 Rajeev Kumar, **Abhishek Kumar Pandey**, Abdullah Baz, Hosam Alhakami, Wajdi Alhakami, Alka Agrawal , Raees Ahmad Khan. **Fuzzy-Based Symmetrical Multi-Criteria Decision-Making Procedure for Evaluating Impact of Harmful Factors of Healthcare Information Security.** *Symmetry. Volume 12, pp. 664* , 2020.

J-2 **Abhishek Kumar Pandey**, Asif Irshad Khan, Yoosef B. Abushark, Md Mottahir Alam, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **Key Issues in Healthcare Data Integrity: Analysis and Recommendations.** *IEEE Access. Volume 8, Issue 3, pp. 40612-40628* , 2020.

J-1 **Abhishek Kumar Pandey**, Ashutosh Kumar Tripathi, Mamdouh Alenezi, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan. **A Framework for Producing Effective and Efficient Secure Code through Malware Analysis.** *International Journal of Advanced Computer Science and Applications (IJACSA). Volume 11, Issue 2, pp. 597-503* , 2020.

WORKSHOPS ATTENDED

- Participated in one day workshop on *"Python for Data Science"* at KNIT Sultanpur.

ACHIEVEMENTS

- Topper of University and Honored by Governor of Uttar Pradesh in Dec. 2018.
- Participated in *"19th State Level National Children Science Congress UP"* from November 18-20, 2011, in JAUNPUR and Entitled with *"State Child Scientist"*.

PROFESSIONAL RESPONSIBILITIES

- Reviewer for IEEE Transactions on Information Forensics and Security (TIFS), **[#1 Journal for Security in the world]**.
- Reviewer for KSII Transactions on Internet and Information Systems.
- Reviewer for IET Communications.
- Reviewer for IEEE Access.
- Reviewer for Security Journal, Palgrave, Springer Nature.
- Reviewer for BMC Medical Informatics and Decision Making, Springer Nature.
- Reviewer for BMC Primary Care, Springer Nature.

SCIENTIFIC SOCIETY MEMBERSHIPS

- Rosalind Member (Specially Invited) of London Journals Press (Membership ID: QB76562).
- A Member of International Computer Science and Engineering Society (ICSES) (Membership ID: 9243).
- A Member of Institute for Engineering Research and Publication (IERP) (Membership ID: SM95746210).

- A Member of Internet Society India – Global Member (Membership ID: 2221065).
- A Member of International Association of Engineers (IAENG) (Membership ID: 267366).

DEVELOPMENT PROJECTS EXECUTED

- Designed and Developed the Information Technology Laboratory website by the domain name *"itlabbau.in"*.

REFEREES

Prof. Ashok Kumar Das
Position: Full Professor
Department: Center for Security, Theory and Algorithmic Research (Department of Computer Science and Engineering)
Institution: International Institute of Information Technology (IIIT), Hyderabad, India
Email: iitkgp.akdas@gmail.com

Dr. Rajeev Kumar
Position: Associate Professor
Department: Department of Computer Science and Engineering
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Abhishek Kumar Pandey

August 6, 2024

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