

# 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
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HOMEPAGE:	<a href="https://abhipandey5.github.io/akp/">abhipandey5.github.io/akp/</a>

## WORK EXPERIENCE

since 07/2022	Ph.D. in CSE from the Center for Security, Theory and Algorithmic Research (C-STAR), under the supervision of <b>Prof. Ashok Kumar Das</b> , 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 <i>Gold Medalist</i>
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

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Total No. of Book Chapters	04
Total No. of Journal Publications	18
<b>Total No. Publications</b>	<b>22</b>

## CITATION INDICES

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Citations	509
h-index	10
i10-index	10

## PUBLICATIONS [DETAILED]

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SCI:	20
WEB OF SCIENCE:	22
SCOPUS:	22

## BOOK CHAPTERS [CH-1 : CH-4]

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- 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-18]

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- J-18 **Abhishek Kumar Pandey**, Ashok Kumar Das, Mohammad Wazid, Kuljeet Kaur, Youngho Park, and Mohammad Mehedi Hassan. **Unmanned Aerial Vehicles Empowering Secure Authentication in Cognitive IoMT for Transformative Knowledge Discovery in Data** *IEEE Internet of Things Journal* , March 2025. (2023 SCI Impact Factor: 8.2)
- 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 Magazine* , 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

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- Organizing team member for 5-Day National Workshop on Cyber Security and Blockchain at IIIT Hyderabad.
- Participated in one day workshop on “Python for Data Science” at KNIT Sultanpur.

## ACHIEVEMENTS

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- 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

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- 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

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- 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).

## REFEREES

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**Prof. Ashok Kumar Das**

**Position:** Full Professor

**Department:** Center for Security, Theory and Algorithmic Research (Department of Computer Science and Engineering)

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**Abhishek Kumar Pandey**



March 3, 2025

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