

Dr. Chetna Sharma

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Objective

Seeking a position at a University/Institute that provides opportunities for professional growth and fosters a resourceful and innovative environment. I aim to leverage my teaching skills and experience while continuing my research endeavors.

Professional Experience

- **Assistant Professor** [Jan 2021 - Present]
Chitkara University, Punjab
- **Assistant Professor Research** [August 2016 - December 2020]
Chitkara University, Punjab
- **Assistant Professor** [August 2015 - July 2016]
Sri Sai College of Engineering and Technology, Pathankot

Academic Qualifications

- **Ph.D. [Computer Science and Engineering]**, August 2016 - August 2020 secured 9.25 CGPA in course work from Chitkara University, Punjab.
Thesis Topic: Development of Enhanced Computer Assisted Diagnosis Technique for Breast Cancer using Histopathological Images.
- **M.Tech. [Computer Science and Engineering]**, 2013 - 2015 secured 8.5 CGPA, DAV University, Jalandhar, Punjab.
Thesis Topic: New Efficient Algorithms for Finding Periodic Frequent and Rare Itemsets.
- **B.Tech. [Information Technology]**, 2009 - 2013 secured 79.4%, DAV Institute of Engineering and Technology, Jalandhar, Punjab, Affiliated with Punjab Technical University, Punjab.
- **XII (Non Medical)**, 2008- 2009 secured 65.8%, Netaji Model School, Ropar, Affiliated with C.B.S.E.
- **Xth**, 2006 - 2007 secured 88.8%, Army School, Unchi Bassi, Hoshiarpur, Affiliated with C.B.S.E.

Technical Skills

- **Programming Languages:** C, C++, Java, Python
- **Scripting:** HTML, CSS, Javascript
- **Database:** SQL Server
- **Tools:** Adobe Photoshop, Microsoft Office
- **Operating Systems:** Windows, Linux
- **Scientific Writing:** LATEX
- **Scientific Tools:** MATLAB

Research Work

Journal Publications

1. Kaur, B. P., Singh, H., Hans, R., Sharma, S. K., **Sharma, C.**, Hassan, M. M. (2024). A Genetic algorithm aided hyper parameter optimization based ensemble model for respiratory disease prediction with Explainable AI. *PloS One*, 19(12), e0308015. (SCI: Impact Factor = 2.9)
2. Sandhu, J. K., Kaur, A., **Kaushal, C.** (2024). The Future of Breast Cancer Detection: A Review on the Integration of Cloud-Based Deep Learning Models. *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, 12(21s), 3124-3129.

3. Tosta, T.A.A., de Faria, P.R., Neves, L.A. Martins, A.S., **Kaushal, C.**, do Nascimento, M Z. (2024). Evaluation of sparsity metrics and evolutionary algorithms applied for normalization of HE histological images. *Pattern Analysis and Applications*, 27, 11. (SCI: Impact Factor = 3.9)
4. Nag, A., Hassan. M. M., Das. A., Sinha, A., Das. M., Rao, G.M., Ali, M.S., **Kaushal, C.**, Kumar, C., Singh, N. (2024). A comprehensive review of automated sarcasm detection techniques on Twitter. *International Journal of Services, Economics and Management*. DOI: 10.1504/IJSEM.2023.10062313
5. Kaur, B. P., Singh, H., Hans, R., Sharma, S. K., **Kaushal, C.**, Hassan, M. M., & Shah, M. A. (2024). An augmentation aided concise CNN based architecture for COVID-19 diagnosis in real time. *Scientific Reports*, 14(1), 1136. (SCI: Impact Factor = 4.9)
6. Kaur, A., **Kaushal, C.**, Sandhu, J. K., Damaševičius, R., & Thakur, N. (2023). Histopathological Image Diagnosis for Breast Cancer Diagnosis Based on Deep Mutual Learning. *Diagnostics*, 14(1), 95. (SCI: Impact Factor = 3.99)
7. Sharma, K., Hassan, M.M., Pandey, S.K., Saini, M., Doriya, R., Ojha, M.K., Sinha, A., **Kaushal, C.**, Bairagi, A.K. and Soliman, N.F. (2023). Cloud Based Multi-Robot Task Scheduling Using PMW Algorithm, *IEEE Access*, vol. 11, (pp. 146003-146013). (SCI: Impact Factor = 3.9)
8. Ahsan, M. M., Ali, M. S., Hassan, M. M., Abdullah, T. A., Gupta, K. D., Bagci, U., **Kaushal, C.**, & Soliman, N. F. (2023). Monkeypox Diagnosis with Interpretable Deep Learning. *IEEE Access*, vol 11, (pp. 81965-81980). (SCI: Impact Factor = 3.9)
9. Yasmin, F., Hassan, M. M., Hasan, M., Zaman, S., **Kaushal, C.**, El-Shafai, W., & Soliman, N. F. (2023). PoxNet22: A Fine-Tuned Model for the Classification of Monkeypox Disease Using Transfer Learning. *IEEE Access*, vol 11, (pp. 24053-24076). (SCI: Impact Factor = 3.9)
10. Hassan, M.M., Zaman, S., Mollick, S., Hassan, M.M., Raihan, M., **Kaushal, C.**, Bhardwaj, R. (2023). An efficient Apriori algorithm for frequent pattern in human intoxication data. *Innovations in Systems and Software Engineering*, 19(1), pp. 61-69.
11. Jindal, L., Kumar, S., **Kaushal, C.**, Bhende, M., Thakare, A., Shabaz, M. (2022). Aspect-based sentiment analysis employing linguistics content oversocial media for Web of Things. *IET Communications*, vol 2022, (pp. 1–10). (SCIE: Impact Factor = 1.542)
12. **Kaushal, C.**, Islam, M. K., Althubiti, S. A., Alenezi, F., & Mansour, R. F. (2022). A Framework for Interactive Medical Image Segmentation Using Optimized Swarm Intelligence with Convolutional Neural Networks. *Computational Intelligence and Neuroscience*, vol 2022, (pp. 1-21). (SCI: Impact Factor = 3.120)
13. Islam, M. K., **Kaushal, C.**, Amin, M. A., Algarni, A. D., Alturki, N., Soliman, N. F., & Mansour, R. F. (2022). A Secure Framework toward IoMT-Assisted Data Collection, Modeling, and Classification for Intelligent Dermatology Healthcare Services. *Contrast Media & Molecular Imaging*, vol 2022, (pp. 1-18). (SCI: Impact Factor = 3.009)
14. **Kaushal, C.**, Kaushal, K., & Singla, A. (2021). Firefly optimization-based segmentation technique to analyse medical images of breast cancer. *International Journal of Computer Mathematics*, 98(7), 1293-1308. (SCI: Impact Factor = 1.931)
15. **Kaushal, C.**, & Singla, A. (2020). Automated segmentation technique with self-driven post-processing for histopathological breast cancer images. *CAAI Transactions on Intelligence Technology*, 5(4), 294-300. (SCIE: Impact Factor = 7.985)
16. **Kaushal, C.**, Bhat, S., Koundal, D., & Singla, A. (2019). Recent trends in computer assisted diagnosis (CAD) system for breast cancer diagnosis using histopathological images. *IRBM*, 40(4), 211-227. (SCIE: Impact Factor = 5.50)
17. **Kaushal, C.**, & Koundal, D. (2019). Recent Trends in Big Data using Hadoop. *International Journal of Informatics and Communication Technology*, 8, 39-49.
18. **Kaushal, C.**, Arya, A., & Pathania, S. (2015). Integration of data mining in cloud computing. *Advances in Computer Science and Information Technology (ACSIT)*, 2(7), 48-52.
19. Arya, A., Pathania, S, & **Kaushal, C.** (2015). Cloud-Based wireless body area network for healthcare monitoring system. *Advances in Computer Science and Information Technology (ACSIT)*, vol, 2, 2393-9907.
20. Pathania, S, **Kaushal, C.** & Arya, A. (2015). Comparative analysis of FP-Growth and CFPGrowth++. *Advances in Computer Science and Information Technology (ACSIT)*, vol.2(7), 33-39.
21. **Kaushal, C.** & Bilandi, N. (2014). A Review: Clumping in Mobile Adhoc Networks. *International Journal of Innovative Research in Computer and Communication Engineering*, 2, 3795-3799.

Book Chapters

1. Vandana, **Kaushal, C.** (2024). Federated Deep Learning System for Application of Healthcare in Pandemic Situation. In *Federated Deep Learning for Healthcare: A Practical Guide with Challenges and Opportunities* (pp. 131-142). CRC Press.
2. Nag, A., Hassan, M. M., Das, A., **Kaushal, C.**, Thakur, C. (2024, July). Blockchain-based identity authentication for Internet of Things systems. In *Artificial Intelligence and Internet of Things based Augmented Trends for Data Driven Systems* (1st ed.). Edited by Singla, A., Tanwar, S., & Hsiung, P.-A. CRC Press. DOI: 10.1201/9781003497318
3. Thakur, D., Gera, T., **Kaushal, C.**, Bansal, A., & Gupta, S. (2024). The Power of AI in Telemedicine: Improving Access and Outcomes. In *Handbook on Augmenting Telehealth Services* (pp. 61-92). CRC Press.
4. **Kaushal, C.**, Islam, M.K., Singla, A. & Al Amin, M. (2022). An IoMT-Based Smart Remote Monitoring System for Healthcare. In *IoT-Enabled Smart Healthcare Systems, Services and Applications* (eds S. Rani, M. Rajagopal, N. Kumar and S.H.A. Shah), (pp. 177-198), John Wiley & Sons, Inc.
5. Singla, A., **Kaushal, C.**, Anand, V. (2021). Spatial Contextual Thresholding Technique: A Case Study to Detect Nodule of Thyroid in Ultrasound Images. In: Roy, S., Goyal, L.M., Mittal, M. (eds) *Advanced Prognostic Predictive Modelling in Healthcare Data Analytics*. Lecture Notes on Data Engineering and Communications Technologies, vol 64, (pp. 93-106). Springer, Singapore.

Conference Proceedings

1. Tomar, L., Jain, A., **Sharma, C.**, Panseja, G. (2024, July). Augmented Reality for Emergency Responders: A Bibliometric Review and Future Directions. In *2024 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS)* (pp. 538-543). IEEE.
2. Kaushik, S., Dhiman, A., **Sharma, C.**, Bhatia, A., Sharma, G. (2024, July). Emotion Recognition in Education: A Bibliometric Analysis of Recent Trends and Technologies. In *2024 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS)* (pp. 1154-1160). IEEE.
3. **Kaushal, C.**, & Bartwal, K. S. (2023, December). A Comprehensive Analysis and Comparative Insights for Developing Diabetes Prediction Models. In *2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON)* (pp. 1-7). IEEE.
4. Vandana & **Kaushal, C.** (2023, October). Analysis of the Monkeypox Outbreak Using CNN Model: A Systematic Review. In *2023 4th IEEE Global Conference for Advancement in Technology (GCAT)* (pp. 1-6). IEEE.
5. Vandana & **Kaushal, C.** (2023, September). "Monkeypox and other Skin Conditions Detection Utilizing CNN with VGG16 Transferred Language," *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)*, Gautam Buddha Nagar, India (pp. 931-938). IEEE.
6. Garg, A., **Kaushal, C.**, & Gindra, R. S. (2023, September). "Revolutionizing Cotton Harvesting: Advancements and Implications," *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)*, Gautam Buddha Nagar, India (pp. 815-822). IEEE.
7. Gindra, R. S., Goyal, K., Sethi, J., & **Kaushal, C.** (2023, September). "Phishing and Web Hacking: Examining the Vulnerabilities and Defenses in the Digital Age," *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)*, Gautam Buddha Nagar, India (pp. 862-868). IEEE.
8. Dhiman, P., Bonkra, A., Sandhu, J. K., Kaur, A., & **Kaushal, C.** (2023, September). "Analyzing Breast Cancer Detection: A Scopus-driven Study on the Role of Machine Learning and Deep Learning," *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)*, Gautam Buddha Nagar, India (pp. 890-895). IEEE.
9. Sandhu, J. K., Kaur, A., & **Kaushal, C.** (2023, March). A Review of Breast Cancer Detection Using the Internet of Things and Machine Learning. In *2023 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE)* (pp. 145-150). IEEE.
10. Sandhu, J. K., Kaur, A., & **Kaushal, C.** (2022, December). Analysis of Breast Cancer in Early Stage by Using Machine Learning Algorithms: A Review. In *2022 IEEE International Conference on Current Development in Engineering and Technology (CCET)* (pp. 1-7). IEEE.
11. Refat, M.A.R., Sarker, S., **Kaushal, C.**, Kaur, A., Islam, M.K. (2023). WhyMyFace: A Novel Approach to Recognize Facial Expressions Using CNN and Data Augmentations. In: Dutta, P., Bhattacharya, A., Dutta, S., Lai, W.C. (eds) *Emerging Technologies in Data Mining and Information Security*. Advances in Intelligent Systems and Computing, vol 1348. Springer, Singapore.
12. Singh, H., Kaur, S., & **Kaushal, C.** (2022, October). Text Document clustering using partial Fractionation and Bisecting K-means. In *2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)* (pp. 1-6). IEEE.

13. Panwar, P., **Kaushal, C.**, Singla, A., & Rattan, V. (2022). Load Balancing in Multiprocessor Systems Using Modified Real-Coded Genetic Algorithm. In: Roy, S., Sinwar, D., Perumal, T., Slowik, A., Tavares, J.M.R.S. (eds) *Innovations in Computational Intelligence and Computer Vision*. Advances in Intelligent Systems and Computing, vol 1424, (pp. 201–210), Springer, Singapore.
14. **Kaushal, C.**, Refat, M.A.R., Amin, M.A., & Islam, M.K. (2022) Comparative Micro Blogging News Analysis on the COVID-19 Pandemic Scenario. In: Saraswat, M., Roy, S., Chowdhury, C., Gandomi, A.H. (eds) *Proceedings of International Conference on Data Science and Applications*. Lecture Notes in Networks and Systems, vol 287, (pp. 377-391), Springer, Singapore.
15. Refat, M.A.R., Al Amin, M., **Kaushal, C.**, Yeasmin, M.N., & Islam, M.K. (2021, October). A Comparative Analysis of Early Stage Diabetes Prediction using Machine Learning and Deep Learning Approach. In *2021 6th International Conference on Signal Processing, Computing and Control (ISPCC)* (pp. 654-659). IEEE.
16. Islam, M.K., Al Amin, M., Islam, M.R., Mahbub, M.N.I., Showrov, M.I.H., & **Kaushal, C.** (2021, September). Spam-Detection with Comparative Analysis and Spamming Words Extractions. In *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)* (pp. 1-9). IEEE.
17. **Kaushal, C.**, Singla, A., & Panwar, P. (2021, September). A Brief Review on Clustering Based Medical Image Segmentation Algorithms with Issues and Challenges. In *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)* (pp. 1-8). IEEE.
18. Singla, A., **Kaushal, C.**, & Panwar, P. (2021, September). Weighted Active Learning Paradigm based on GA and SVM for Pattern Classification. In *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)* (pp. 1-6). IEEE.
19. Islam, M.K., Yeasmin, M.N., **Kaushal, C.**, Al Amin, M., Islam, M.R., & Showrov, M.I.H. (2021, September). Comparative Analysis of Steering Angle Prediction for Automated Object using Deep Neural Network. In *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)* (pp. 1-7). IEEE.
20. **Kaushal, C.**, & Singla, A. (2021) Analysis of Breast Cancer for Histological Dataset Based on Different Feature Extraction and Classification Algorithms. In: Gupta, D., Khanna, A., Bhattacharyya, S., Hassanien, A.E., Anand, S., Jaiswal, A. (eds) *International Conference on Innovative Computing and Communications*. Advances in Intelligent Systems and Computing, vol 1165, (pp. 821-833). Springer, Singapore.
21. Kirti, **Kaushal, C.**, & Singla, A. (2020, June). Architecture for Garbage Monitoring System using Integrated Technologies with Short Literature Survey. In *2020 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)* (pp. 27-32). IEEE.
22. **Kaushal, C.**, Koundal, D., & Singla, A. (2019, March). Comparative analysis of segmentation techniques using histopathological images of breast cancer. In *2019 3rd International Conference on Computing Methodologies and Communication (ICCMC)* (pp. 261-266). IEEE.
23. **Kaushal, C.**, & Koundal, D. (2017, August). Big data application in medical domain. In *2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)* (pp. 1936-1939). IEEE
24. **Kaushal, C.**, & Singh, H. (2015, October). Comparative study of recent sequential pattern mining algorithms on web clickstream data. In *2015 IEEE Power, Communication and Information Technology Conference (PCITC)* (pp. 652-656). IEEE.
25. **Kaushal, C.**, & Singh, H. (2015, December). New algorithm for finding frequent and rare itemsets. In *2015 Annual IEEE India Conference (INDICON)* (pp. 1-5). IEEE.

Edited Books

1. **Kaushal, C.**, Kaur, A., Angurula, M., & Chaudhary, A. (Eds.). (2025). **Zero Trust Learning: A Comprehensive Guide**. Apple Academic Press, CRC Press, Taylor & Francis Group.
2. Kaur, A., **Kaushal, C.**, Hassan, M. M., & Aung, S.T. (Eds.). (2024). **Federated Deep Learning for Healthcare: A Practical Guide with Challenges and Opportunities**. CRC Press, Taylor & Francis Group.

Patents/ Copyrights

- 18 National Utility patents published.
- 21 National Design patents registered.
- 2 International Utility patents granted.
- 1 Copyright registered.

Workshops Organized

- **Convener** for Expert Talk “Conserving IPv4 addresses through NAT: A skill development session for students” organized on 14th May 2022 at Chitkara University, Punjab.
- **Convener** for Expert Talk “Emerging Tools and Technologies: Implications of Metaverse” organized on 13th May 2022 at Chitkara University, Punjab.
- **Convener** for One Week Faculty Development Program on “Emerging domains in Internet of Things” organized by Department of Computer Science and Engineering, CUIET, Chitkara University, Punjab from 21st-25th March 2022.
- **Convener** for the webinar “Business Intelligence” conducted on 6th March 2021 by Research and Innovation Team, DCSE, Chitkara University, Punjab.
- **Resource Person** in workshop on “Make Your Computer Speak” in STEAM School organized by CURIN, Chitkara University, Punjab, India during January-April 2018.
- **Volunteer** in National Students Research Convention (ANVESHAN) held at Chitkara University, Punjab, India for 14-15 March 2018.

Certifications and Training

- One Week Faculty Development Program on “AI-Powered Secure Decision Making Based on Situational Awareness” organized by the Department of Computer Science & Engineering at Dr. B.R. Ambedkar National Institute of Technology, Jalandhar from July 15th, 2024 to July 19th, 2024 in offline mode.
- Completion of training program on “Understanding Diversity, Equity and Inclusion” at Chitkara University by Dr. Shilpa Suri dated 9th April 2024.
- One Week Faculty Development Program on “Empowerment with Enhanced Coding Expertise through Code Quality” organized by Career Advancement Services, Chitkara University, Punjab and Research & Innovation Unit, Department of Computer Science and Engineering, CUIET, Chitkara University, Punjab in collaboration with Litcoder from November 9th, 2023 to January 6th, 2024 in hybrid mode.
- One Week Faculty Development Program on “Unlocking Potential: Maximizing Impact via Technology Transfer Publications, Consultancies & Intellectual Property Management” organized by Department of Computer Science and Engineering, in collaboration with Office of Patent Facilitation Licensing and Consultancy (OPFLC), CURIN and the Google Developer Student Clubs, CUIET, Chitkara University, Punjab from January 2-6, 2024.
- One Week Faculty Development Program on “Application of Artificial Intelligence (AI) in traditional engineering practices” organized by Department of Civil Engineering, Chitkara University, Punjab from June 5-9, 2023.
- Completion of “Explainable Artificial Intelligence (XAI) with Python” course on Udemy by Dr. Prateek Bhatia dated 26th July 2022.
- One Week Faculty Development Program on “Emerging domains in Internet of Things” organized by Department of Computer Science and Engineering, CUIET, Chitkara University, Punjab from March 21-25, 2022.
- Two days International Online Conference on “Innovations and Challenges in Research Publishing” organized by Chitkara University Publications, Chandigarh, India on February 22-23, 2022.
- One Week Faculty Development Program on “Collaboration on Open-Source Software with Source Code Management” organized by Department of Computer Science and Engineering, CUIET, Chitkara University, Punjab from February 7-11, 2022.
- Online AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “Advances in Artificial Intelligence” organized by Siksha 'O' Anusandhan (Deemed to be University) from January 21-25, 2022.
- Online Faculty Development Program on “Technology- Innovation, Challenges & Solutions” at Amity University, Noida from August 12-17, 2021.
- Two weeks Chitkara University Annual Research Symposium (CUARS) 2021 workshop titled “Pattern Recognition” held at Chitkara University, Punjab, from June 14th to July 2nd, 2021.
- Two days’ workshop on “Skill Development in Emerging Technological Fields” organized by Maharishi School of Engineering and Technology, Maharishi University of Information Technology, Lucknow from May 7-8, 2021.
- Online AICTE - ISTE Sponsored One Week Faculty Development Program on “Machine Learning using R program” organized by Jyothishmathi Institute of Technology and Science, Telangana from April 22-28, 2021.

- Webinar on “Business Intelligence” organized by Department of Computer Science and Engineering, Chitkara University, Punjab on March 6th, 2021.
- Online One Week Faculty Development Program on “Tools and Techniques for Effective Research” organized by I.K. Gujral Punjab Technical University Amritsar Campus by AICTE by E&ICT Academy from December 14-18, 2020.
- Webinar on “DevOps” organized by Department of Information Technology of NIT, Nagpur on August 23, 2020.
- Online Faculty Development Program on “Machine Learning using Python” recognized by AICTE by E&ICT Academy IIT Roorkee from April 20-29, 2020.
- Online Faculty Development Program on “Blockchain Technology” recognized by AICTE by E&ICT Academy IIT Roorkee from April 9-17, 2020.
- Five days Faculty Development Program on “IOT and Machine Learning” recognized by AICTE by E&ICT Academy IIT Roorkee in collaboration with Chitkara University, Himachal Pradesh from December 16-20, 2019.
- One-day workshop on “Artificial Intelligence and Mechatronics using MATLAB and Simulink” held at Hotel Shivalik View, Chandigarh on September 4, 2019.
- Ten days Faculty Development Program on theme of “Writing Research Paper” on “Research Trends in Network Security, Machine Learning and Deep Learning, Image and Multimedia Processing” held at Chitkara University, Punjab, India from June 25 to July 6, 2018.
- Two days MeitY Sponsored workshop on “Understanding Importance of IPR with focus on IPR Issues in Information Technology, Communication and Electronics” held at Chitkara University, Himachal Pradesh on September 15-16, 2017.
- Four days’ workshop on “Evolving Blended Learning Models for Freshmen Year of Engineering” organized by Chitkara University, Punjab, India during July 10-13, 2017.
- Two days’ workshop on “Modern Trends in Optimization Techniques and Applications” organized by Chitkara University, Punjab, India during July 4-5, 2017.
- Two days’ workshop on “LATEX: A professional Tool for Thesis and Scientific Paper Writing” organized by Chitkara University, Himachal Pradesh during June 30-July 1, 2017.
- Attended the International Conference on Communication, Information and Computing Technology organized by Global Institutes, Amritsar from May 12-13, 2015.
- Participated in Punjab Technical University sponsored One Day National Seminar on “Role of Cryptography in Information Security” on April 25, 2014.
- Participated in Microsoft DreamSpark Yatra event by Microsoft Corporation (India) held at DAV Institute of Engineering and Technology on April 24, 2010.

Achievements

- Best Paper Presentation Award for the paper titled “Advanced PTSVM-based Breast Cancer Classification with Weighted Feature Selection” at the 4th International Conference on Computing, Analytics and Networks (ICAN2024), hosted by Chitkara University, Punjab on 24th- 25th September 2024.
- Session Chair at International Conference on Communication, Computer Sciences and Engineering (IC3SE-2024) held during 9th -11th May 2024.
- Mentor for Tech Abhivyaakti 2.0: Innovation Unleashed organized by DCSE and Open Source Chandigarh at Chitkara University, Punjab held on 10th April, 2024.
- Session Chair at 6th International Conference on Contemporary Computing and Informatics (IC3I-2023) held during 14th -16th September 2023.
- Keynote Speaker at 6th International Conference on Contemporary Computing and Informatics (IC3I-2023) held during 14th-16th September 2023.
- First Prize in role-play in National Symposium on Innovations in Teaching and Learning Practices in Higher Education organised by Chitkara University, Punjab, India on 7th July 2023.
- Proceedings Handling Editor for 2nd edition of IEEE Delhi section conference DELCON 2023 held from 24th -26th February 2023.
- First prize in Table Soccer Competition for Faculty/Staff (Men/Women) on 18th February 2022.
- Appreciation for published research articles in journals with total h-index more than 100 in the year 2020.
- Awarded 25000 INR in Research Publication Incentive Awards on 27th July 2019 from Chitkara University, Punjab.

Roles and Responsibilities

- **Faculty Lead**, Coding Ninjas CUIET Student Chapter, Chitkara University, Punjab, India
Organized 50+ events
Promoting coding and mentoring students on writing research papers and filing patents.
- **Course Coordinator**, Front End Engineering (2023, 2024)
Developed Course Hand Out of the curriculum
Collaborated with faculty to ensure program alignment with educational standards.
- **Teaching**, Front End Engineering, Python, Source Code Management, Artificial Intelligence, Data Structures
Developing and delivering course materials, lectures, and continuous assessments.
- **Supervisor**, Ph.D. Computer Science Engineering
Supervising two PhD scholars in the field of digital image processing.
- **Mentor**, Computer Science Engineering Students
Conducting regular mentoring sessions to discuss academic and extracurricular progress, address challenges, and set goals.

References

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Dr. Meenu Khurana

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