CURRICULUM VITAE



Prof. (Dr.) Rajiv Kumar Gill

Professor, Department of Computer Science and Engineering

Uttaranchal Institute of Technology, Uttaranchal University, Dehradun, India

Ph.D. (CSE) | M.Tech | MCA | B.Tech | GATE Qualified | IEEE Senior Member

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Scopus ID / Researcher ID: 57214462148 / AAV-7886-2020
SciProfiles: sciprofiles.com/profile/3041792

22+	71	651	17 / 27	11	10
Years of Teaching & Administration	Research Papers	Google Scholar Citations	h-index / i10-index	Patents Published / Granted	Books Authored / Edited

PROFESSIONAL SUMMARY

Accomplished academician and researcher with 22+ years of teaching, research and academic-administration experience in Computer Science and Engineering, currently serving as Senior Professor at Uttaranchal University, Dehradun. Ph.D. in Computer Science and Engineering with expertise in machine-learning-inspired memetic algorithms, soft computing, nature-inspired optimization and data science. Track record of 71 research papers, 11 patents, 10 books, government-funded projects, M.Tech and Ph.D. supervision, and institutional leadership as Dean of Academics, Acting Principal, Head of Department and Conference Chair. Seeking a Professor position to contribute to teaching excellence, research leadership and academic governance.

CAREER HIGHLIGHTS

- **Academic leadership:** Dean of Academics for nearly a decade (2009–2019) at N.C. College of Engineering, Israna (Autonomous); Acting Principal and Head of Department at Kalpi Institute of Technology; Senior Professor-in-charge at Shivalik College; currently managing the Board of Studies at UIT, Uttaranchal University.
- **Research output:** 71 research papers (36 journal, 35 conference), including SCI Q1 publications in IEEE Access, World and the International Journal of Computational Intelligence Systems, and IEEE/Scopus-indexed conference papers.
- **Research impact:** 651 Google Scholar citations, h-index 17 and i10-index 27, with 605 citations since 2021 — evidence of sustained and growing impact.
- **Innovation:** 11 patents published or granted, spanning AI/ML, IoT, healthcare, agriculture, banking security and education technology.
- **Funded research:** Work on government-funded projects worth ₹ 9.2 lakh (UCOST), ₹ 9.6 lakh (iHUB Divyasampark, IIT Roorkee) and proposals of ₹ 93.64 lakh (Ministry of Science & Technology) and ₹ 14.20 lakh (UCOST).

- **Authorship:** Seven authored textbooks and three edited volumes, including an edited book from CRC Press (Taylor & Francis) indexed in Scopus and Web of Science.
- **Mentoring:** 15 M.Tech scholars awarded degrees; 3 Ph.D. scholars currently under supervision.
- **Editorial and peer-review service:** Editor-in-Chief and Associate Editor of three international journals; technical reviewer for more than 25 journals and conferences, including IEEE/ACM Transactions on Networking.
- **Conference leadership:** Conference Chair of ICASDGAI-2025 and convener of international conferences at Uttaranchal University, with appreciation from university management.
- **Recognition:** Research incentive and Certificate of Honour from the Chancellor of Uttaranchal University.

CORE COMPETENCIES

Teaching & Curriculum	Research & Innovation	Leadership & Governance
• B.Tech, M.Tech and Ph.D. instruction • Curriculum design through Board of Studies • Paper setting and examination management • Lesson-plan management (ISTE/Wipro trained)	• Memetic and genetic algorithms • Machine learning and data science • IoT and image-processing systems • Patents and funded projects	• Deanship and Acting Principal experience • Academic planning and quality assurance • Conference organisation and chairing • Discipline and anti-ragging committees

EDUCATION

2023	**Ph.D. in Computer Science and Engineering** Uttaranchal University (NAAC A+, UGC 12B). Thesis: "Machine Learning Based Analysis of Proposed Memetic Algorithm and its Application in Traveling Salesman Problem"
2010	**Master of Computer Applications (MCA)** Kurukshetra University (State Govt. University, NAAC A+)
2004	**Master of Technology (M.Tech) in Computer Science and Engineering** Kurukshetra University (State Govt. University)
2003	**GATE Qualified** Conducted by IIT Madras
2001	**Bachelor of Technology (B.Tech) in Computer Engineering** Kurukshetra University (State Govt. University)

ACADEMIC EXPERIENCE

Total teaching and administrative experience: 22+ years

Senior Professor — July 2024 – Present

Uttaranchal Institute of Technology (UIT), Uttaranchal University, Dehradun — NAAC A+, UGC 12B

- Teach B.Tech, M.Tech and Ph.D. students: Database Management Systems, Operating Systems, Computer Networks, Web Technology, Machine Learning.

- Manage the Board of Studies (BOS) of UIT; lead departmental research and project activities; filing patents and government-funded projects.
- Conference Chair, International Conference on Holistic Approaches to Achieve Sustainable Development Goals with Artificial Intelligence (ICASDGAI-2025); convener of conferences.
- Member, Discipline Committee and Anti-Ragging Committee.

Professor **July 2023 – May 2024**

Shivalik College of Engineering, Dehradun — Department of Computer Science and Engineering (NAAC A+)

- Taught B.Tech: Python Programming, Data Science, Computer Networks, Soft Computing, Web Technology, Machine Learning.
- Senior Professor-in-charge of the department; contributed to admission strategy; member, Website Development Club.

Associate Professor **July 2019 – June 2023**

Uttaranchal Institute of Technology, Uttaranchal University, Dehradun (NAAC A+, UGC 12B)

- Taught B.Tech, M.Tech and Ph.D.: Python Programming, Software Engineering, Computer Networks, Soft Computing, Web Technology, Cloud Computing, Machine Learning, IoT.
- Member Secretary, BOS (USCS); Deputy Superintendent, in-house examinations (USCS); member, Discipline Committee and Website Development Club.
- Supervised Ph.D. scholars.

Dean of Academics **Sept 2009 – July 2019**

N.C. College of Engineering, Israna (Autonomous Institute), Panipat, Haryana

- Taught B.Tech and M.Tech: Database Management Systems, Computer Organisation, Computer Hardware, Web Technology.
- Discharged Dean of Academics responsibilities; B.Tech Class Coordinator; Paper Setter and External Practical Examiner, Kurukshetra University; member, Pictorial Board.

Assistant Professor / HOD and Acting Principal **July 2008 – Sept 2009**

Kalpi Institute of Technology, Ambala, Haryana

- Served as Acting Principal (additional charge of Head of Institution) and Head of the Computer Engineering Department.
- Taught B.Tech: C Programming, Fundamentals of Computer, Database Management Systems, Computer Organisation.
- Paper Setter, Kurukshetra University; Deputy Superintendent, final examinations (Kurukshetra University affiliated college).

Senior Lecturer **Aug 2007 – June 2008**

Haryana Engineering College, Jagadhari, Haryana

- Taught B.Tech and M.Tech: Neural Networks, Computer Architecture, Database Management Systems, Software Engineering.
- B.Tech project guide; Paper Setter, Kurukshetra University; Technical Event Coordinator (Azzaro); member, Discipline and Cultural Committees and National Conference.

Lecturer **Aug 2006 – Aug 2007**

Seth Jai Parkash Mukand Lal Institute of Engineering & Technology (JMIT), Radaur, Yamuna Nagar, Haryana

- Taught B.Tech and M.Tech: Computer Networks, Unix Shell Programming, Computer Organisation, Database Management Systems, Programming Languages.
- B.Tech project guide; Paper Setter, Kurukshetra University; member, Discipline Committee.

Lecturer **April 2004 – Aug 2006**

Maharishi Markandeshwar University (NAAC A++), formerly Maharishi Markandeshwar Engineering College

- Taught B.Tech: Microprocessors, Database Management Systems, Computer Organisation, Computer Hardware.
- B.Tech Class Coordinator; Paper Setter and External Practical Examiner, Kurukshetra University; member, Discipline Committee; member, Organizing Committee, National Conference on Modern Trends in Information & Communication Technology (2005).

TEACHING PROFILE

Over 22 years I have taught undergraduate, postgraduate and doctoral students across the core and emerging areas of computer science — from Computer Organisation, Database Management Systems and Operating Systems to Machine Learning, Cloud Computing, IoT and Data Science. My teaching combines conceptual clarity with hands-on practice: programming laboratories in C and Python, web-development projects, and embedded-systems work on Arduino and Raspberry Pi.

I write my own teaching material. My seven authored textbooks — covering Python and machine learning, software engineering, database systems, the C language and optimization algorithms — reflect the subjects I teach and are meant to support student learning. I also involve students in real projects: government-funded prototypes such as the animal-repellent security system and the CyberZoo animal-tamer have given undergraduate and postgraduate students exposure to research-driven problem solving.

As a Ph.D. and M.Tech supervisor, I emphasise research methodology, reproducible experiments and publishing in indexed venues. Fifteen M.Tech scholars have graduated under my guidance and three Ph.D. scholars are currently pursuing doctoral research.

ACADEMIC LEADERSHIP AND ADMINISTRATION

- **Dean of Academics (2009–2019):** Held academic responsibility as Dean of Academics at an autonomous engineering institute for ten years, alongside B.Tech class coordination and university examination duties.
- **Acting Principal and Head of Department (2008–2009):** Ran the institution and the Computer Engineering Department at Kalpi Institute of Technology, Ambala, with additional charge as Head of Institution.
- **Board of Studies:** Member Secretary, BOS, USCS (2019–2023); currently managing the BOS of UIT (2024–present), covering curriculum and syllabus governance.
- **Examinations:** Deputy Superintendent of in-house and final examinations; Paper Setter and External Practical Examiner for Kurukshetra University from 2004 onwards.
- **Student discipline and welfare:** Member of Discipline Committees at multiple institutions and of the Anti-Ragging Committee at Uttaranchal University.

- **Research administration:** Handles departmental research and project activities, patent filing and government-funded project proposals at UIT.
- **Admissions and outreach:** Contributed admission strategy as Senior Professor-in-charge at Shivalik College; member of the Website Development Club at Shivalik College and Uttaranchal University.
- **Events:** Conference Chair (ICASDGAI-2025); coordinator of Technical Azzaro-2008 (7th National Level Technical Symposium); convener, purchase committee, national conference (2005); technical committee member for international and national conferences (2010, 2011).

RESEARCH STATEMENT

My research centres on evolutionary and nature-inspired optimization. My doctoral thesis, "Machine Learning Based Analysis of Proposed Memetic Algorithm and its Application in Traveling Salesman Problem", investigates how machine-learning techniques can guide the design and tuning of memetic algorithms — hybrids of genetic algorithms and local search — for hard combinatorial problems. This work began with genetic-algorithm operators for operating-system process scheduling (2010–2012), progressed through analyses of selection, crossover and mutation operators (2019–2022), and now extends to machine-learning-inspired memetic algorithms.

In parallel, I apply machine learning and IoT to problems of social and scientific relevance: crop-yield sensitivity to climate variability, band-gap prediction in perovskite materials, heart-disease prediction, lung-cancer detection, heritage-site preservation, wildlife–human conflict mitigation and educational technology.

Research Contributions by Theme

Evolutionary & memetic optimization	Doctoral thesis; journal papers on memetic algorithms for the travelling salesman problem, selection techniques and termination conditions; IEEE conference papers on crossover and mutation operators; book on Optimization Algorithms and Soft Computing; under-review paper in Applied Intelligence (Springer).
Applied machine learning & AI	SCI Q1 papers on interpretable machine learning for crop yield and perovskite band-gap prediction; heart-disease prediction (IEEE); patents on lung-cancer detection, meal suggestion, grocery recommendation, AI adoption barriers and AI/ML in tourism; proposed ₹ 93.64 lakh heritage-preservation decision-support project.
IoT, embedded & image-processing systems	Funded projects on image-sensing animal repellent (UCOST) and CyberZoo cyber-physical animal tamer (iHUB Divyasampark, IIT Roorkee); patents on an intelligent agricultural animal-repellent system and navigation assistance for the visually impaired.
Education technology	IEEE Access (SCI Q1) paper on Education 4.0 and Classroom 4.0; patent on a smart device for interactive online learning; edited books on AI in libraries, humanities and society.
Security & digital services	Patent on blockchain in internet banking and e-trust; consultancy for the Editorial Desk Manager application for MNK Publication.

RESEARCH INTERESTS

- Machine-learning-inspired memetic algorithms; design and analysis of memetic algorithms
- Nature-inspired meta-heuristic optimization algorithms; soft computing
- Design of machine-learning genetic operators; simulation of genetic algorithms
- Parameter tuning and parameter setting of genetic and memetic algorithms
- Data science, machine learning, IoT and image processing applications

RESEARCH GUIDANCE

M.Tech (CSE)	15 scholars – degree awarded
Ph.D.	3 scholars currently pursuing Ph.D. under my supervision

GOVERNMENT / EXTERNALLY FUNDED PROJECTS

#	Project Title, Agency & Technologies	Cost	Status
1	**Image Sensing Animal Repellent cum Security System with Alarm and Alert** **Agency:** Uttarakhand State Council for Science & Technology (UCOST), Govt. of Uttarakhand | Ref: UCS&T/R&D-25/22-23/21284/4 **Technologies:** Raspberry Pi, Python, Unix OS, Image Processing	**₹ 9.2 Lakhs**	Ongoing (2022–2024)
2	**CyberZoo: Developing a Cyber-Physical Animal Tamer System** **Agency:** iHUB Divyasampark, IIT Roorkee | Ref: 2023/TIH-IITR/585 **Technologies:** Raspberry Pi, Python, Unix OS, Image Processing	**₹ 9.6 Lakhs**	Ongoing (2023–2024)
3	**Development of Innovative Retrofitting Decision Support System based on Machine Learning Algorithms to Preserve the Heritage Sites in Uttarakhand State** **Agency:** Ministry of Science & Technology, Govt. of India **Technologies:** Image Processing through Deep Learning	**₹ 93.64 Lakhs**	Applied (2026)
4	**Animal Tamer integrated with IoT System** **Agency:** Uttarakhand State Council for Science & Technology (UCOST), Govt. of Uttarakhand **Technologies:** Raspberry Pi, Python, Unix OS, Image Processing	**₹ 14.20 Lakhs**	Applied (2026)

PATENTS PUBLISHED

#	Title of Invention	Application No.	Publication Date
1	Smart cloud-based system to identify and locate convalescent plasma donors for serious COVID-19 patients	202111058508	31/12/2021
2	Object detection and pulse feedback system navigation to assist visually impaired people	202111060347	31/12/2021
3	A system and method based on AI and ML for tourist industry for enhancing customer satisfaction	202211065172	25/11/2022
4	An intelligent animal repellent system for agriculture field	202211028893	27/05/2022
5	A system of implementation of blockchain technology in internet banking and enhancement of e-trust in customers	202211016094	17/06/2022
6	A method of soot treatment and its conversion to specific finished products	202211018693	08/04/2022
7	Lung cancer detection using deep learning on centralized system	202311062917	13/10/2023

Patents Granted

#	Title of Invention	Application No.	Grant Date
1	Smart device for interactive online learning	410121-001	11/03/2024
2	Machine learning-based meal suggestion system having food recipes and smart reminder	202211016093	19/12/2025
3	A system of developing modeling the barriers of artificial intelligence adoption in the organizations	202111058509	01/12/2025
4	Smart monthly grocery recommendation system using machine learning algorithm for the optimized family budget	202211012491	27/03/2026

BOOKS AUTHORED AND EDITED

Authored

1. Teach Yourself Python Programming and Machine Learning — ISBN 978-81-955461-7-6 (MNK Publication)
2. Software Engineering: Theory and Applications — ISBN 978-81-955461-2-1 (MNK Publication)
3. Database Management System: Concepts and Applications — ISBN 978-81-955461-6-9 (MNK Publication)
4. C Language: Practical Approach — ISBN 978-81-955461-9-0 (MNK Publication)
5. Python Language Concepts — ISBN 978-81-955461-1-4 (MNK Publication)

6. Optimization Algorithms and Soft Computing — ISBN 978-81-955461-4-5 (MNK Publication)
7. Computer Science Application in Civil Engineering — ISBN 978-81-956994-0-7 (Ancient Scientific Research Publication)

Edited

8. Next-Generation Artificial Intelligence for Science, Library and Society **(Edited Book)**
9. Bridging Minds and Machines: Integrating AI across Libraries, Humanities, and Technology **(Edited Book)**
10. Open AI into Smart ChatGPT: Revolution, Application and Significance — Role of AI in Industry 5.0, CRC Press, Taylor & Francis Group **(Edited Book; Scopus & Web of Science indexed)**

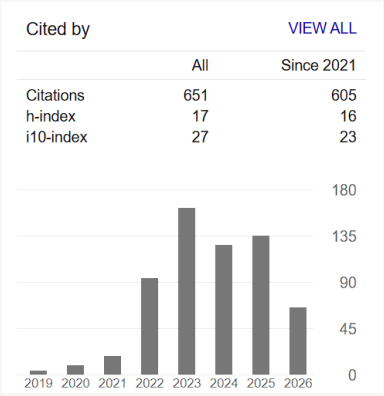
RESEARCH METRICS AND CITATION IMPACT

Google Scholar profile

Metric	All	Since 2021
Citations	651	605
h-index	17	16
i10-index	27	23

Citations have grown steadily since 2021, peaking in 2023 and remaining strong through 2024–2025.

Scopus ID: 57214462148 | Researcher ID: AAV-7886-2020 | ORCID: 0000-0001-7729-501X



RESEARCH PUBLICATIONS

35 National / International Conference Papers	**36** National / International Journal Papers	**71** Total Publications

Selected Journal Publications

1. Gill, R. K., Manon, A., Chopra, N. K., & Gill, S. (2026). Country-level crop yield sensitivity to climate variability: An interpretable machine learning framework for screening and policy prioritization. *World*, 7(7), 111. https://doi.org/10.3390/world7070111 **[SCI Q1]**
2. Manon, A., Gill, R. K., Kumar, V., Joshi, K., Dhaka, A., & Nandal, A. (2026). SHAP-guided machine learning for interpretable band gap prediction and inverse design in ABX_3 perovskites. *International Journal of Computational Intelligence Systems*. https://doi.org/10.1007/s44196-026-01454-1 **[SCI Q1]**
3. Kumar, R., Joshi, K., Kumar, R., Saini, D., Medani, M., & Bharany, S. (2024). Exploring the connectivity between Education 4.0 and Classroom 4.0: Technologies, student perspectives, and engagement in the digital era. *IEEE Access*. **[SCI Q1]**
4. Kumar, R. A machine learning inspired memetic algorithm for optimization problems: Past, present and future. *Applied Intelligence* (Springer), IF = 5.3. **[SCI – Under Review]**
5. Kumar, R., & Memoria, M. (2020). A review of memetic algorithm and its application in traveling salesman problem. *International Journal on Emerging Technologies*, 11(2), 1110–1115. ISSN 2249-3255. **[Scopus]**

6. Kumar, R., & Memoria, M. (2020). Analysis of available selection techniques and recommendation for memetic algorithm and its application to TSP. *International Journal on Emerging Technologies*, 11(2), 1116–1121. **[Scopus]**
7. Kumar, R. (2020). A survey on memetic algorithm and machine learning approach to traveling salesman problem. *International Journal on Emerging Technologies*, 11(1), 500–503. **[Scopus]**
8. Kumar, R. (2019). Effect of termination condition on the performance of genetic algorithm. *International Journal of Latest Research in Science and Technology*, 8(1), 17–20. ISSN 2278-5299. **[UGC Approved]**
9. Kumar, N., Karambir, & Kumar, R. (2012). A comparative analysis of PMX, CX and OX crossover operators for solving travelling salesman problem. *International Journal of Latest Research in Science and Technology*, 1(2), 98–101. **[UGC Approved]**
10. Kumar, R., Goel, P., & Singh, J. (2012). A 50 years literature review report for scheduling problem optimization. *International Journal of Latest Research in Science and Technology*, 1(3), 291–293. **[UGC Approved]**
11. Kumar, R. (2012). Efficient genetic operators based on permutation encoding under OSPSP. *International Journal of Latest Research in Science and Technology*, 1(1), 55–59. **[UGC Approved]**
12. Kumar, R. (2010). An experimental analysis of explorative and exploited operators of genetic algorithm for operating system process scheduling problem. *International Journal of Engineering and Technology*, 2(6), 472–476. ISSN 0975-4024. **[Scopus]**
13. Kumar, R. (2010). A comparative analysis of genetic algorithm with variable crossover and inversion probability for operating system process scheduling problem. *Global Journal of Computer Science*, 1(5), 7–11. ISSN 2229-371X.
14. Kumar, R., Gill, S., & Kaushik, A. (2010). An effect of single point inversion operator on the performance of genetic algorithm for operating system process scheduling problem. *International Journal of Advanced Research in Computer Science*, 1(4), 530–534. ISSN 0976-5697. **[UGC Approved]**
15. Kumar, R., Gill, S., & Kaushik, A. (2010). A crossover probability distribution in genetic algorithm under process scheduling problem. *International Journal of Advanced Research in Computer Science*, 1(4), 504–508. **[UGC Approved]**
16. Kumar, R., Gill, S., & Kaushik, A. (2010). A modified crossover operator genetic algorithm approach to single processor scheduling problem. *International Journal of Advanced Research in Computer Science*, 1(3), 160–164. **[UGC Approved]**
17. Kumar, R., Gill, S., & Kaushik, A. (2010). A genetic algorithm approach to operating system process scheduling problem. *International Journal of Engineering Science and Technology*, 2(9), 4247–4252. ISSN 0975-5462. **[Scopus]**

Selected Conference Papers

1. Kumar, R., & Memoria, M. (2020). Proposed selection technique of evolutionary algorithm and its implementation for combinatorial problems. 2020 International Conference on Advances in Computing, Communication & Materials (ICACCM), Dehradun, pp. 408–412. doi: 10.1109/ICACCM50413.2020.9213063. **[IEEE, Scopus]**
2. Kumar, R., Memoria, M., Gupta, A., & Awasthi, M. (2021). Critical analysis of genetic algorithm under crossover and mutation rate. 2021 3rd International Conference on Advances in Computing,

Communication Control and Networking (ICAC3N), Greater Noida, pp. 976–980. doi: 10.1109/ICAC3N53548.2021.9725640. **[IEEE, Scopus]**

3. Kumar, R., Memoria, M., & Chandel, A. (2020). Performance analysis of proposed mutation operator of genetic algorithm under scheduling problem. 2020 International Conference on Intelligent Engineering and Management (ICIEM), London, UK, pp. 193–197. doi: 10.1109/ICIEM48762.2020.9160215. **[IEEE, Scopus]**
4. Kumar, R., et al. (2022). Analyzing the performance of crossover operators (OX, OBX, PBX, MPX) to solve combinatorial problems. 2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), Faridabad, pp. 817–821. doi: 10.1109/COM-IT-CON54601.2022.9850689. **[IEEE, Scopus]**
5. Negi, S. S., Memoria, M., Kumar, R., Joshi, K., Pandey, S. D., & Gupta, A. (2022). Machine learning based hybrid technique for heart disease prediction. 2022 International Conference on Advances in Computing, Communication and Materials (ICACCM), Dehradun, pp. 1–6. doi: 10.1109/ICACCM56405.2022.10009219. **[IEEE, Scopus]**
6. Kumar, R. (2010). An effect of mutation rate in genetic algorithm for process scheduling problem. International Conference on Mathematics and Soft Computing (Application in Engineering) ICMSCAE'10, 4–5 Dec 2010, N.C. College of Engineering, Israna, Panipat. **[International]**
7. Kumar, R., & Gill, S. (2011). A comparative study of MDXGA, OXGA, PMXGA for operating system process scheduling problem; and A parameter-less genetic algorithm for process scheduling problem. National Level Conference on Innovative Computing Technologies, 14 June 2011, N.C. College of Engineering, Israna, Panipat. **[National]**
8. Kumar, R., Joshi, M. M., Gill, S., & Ray, H. M. (2012). A simulation-based study of genetic algorithm under OSPSP; and An experimental approach to analyze the different types of stopping criteria used in genetic algorithm under OSPSP. National Level Seminar on Applications of Mathematics in Engineering Sciences (AMES 2012), 17 March 2012, N.C. College of Engineering, Israna, Panipat. **[National]**

EDITORIAL ROLES

- **Editor-in-Chief,** International Journal of Latest Research in Science and Technology (ISSN 2278-5299)
- **Associate Editor,** International Journal of Humanities, Education Technology and Management (ISSN 2319-1767)
- **Associate Editor,** International Journal of Latest Research in Engineering and Computing (ISSN 2347-6540)

REVIEWER FOR JOURNALS AND CONFERENCES

- MDPI
- Elsiver
- International Journal of Computer Science and Information Security (IJCSIS)
- International Journal of Computer Systems Science and Engineering (IJCSSE)
- International Journal of Advancements in Computing Technology (IJACT)
- International Journal of Computer Networks (IJCN)
- International Journal of Computer Science Issues (IJCSI)
- IEEE International Conference on Machine Learning and Computing (ICMLC 2011), Singapore
- International Journal of Advanced Computer Science and Applications (IJACSA)
- Journal on Wireless and Mobile Communication (JWMC)
- Indian Journal of Science and Technology
- International Journal of Computer and Electrical Engineering (IJCEE)
- International Journal of Advances in Information Sciences and Service Sciences (AISS)
- International Arab Journal of Information Technology (IAJIT)
- International Journal of Science and Advanced Technology (IJSAT)
- International Journal on Cloud Computing: Services and Architecture (IJCCSA)
- International Journal of Computer Engineering Research (IJCER)
- Journal of Current Engineering Research (JCER)
- IEEE/ACM Transactions on Networking
- IAENG International Conference on Communication Systems and Applications (ICCSA)
- IAENG International Conference on Internet Computing and Web Services (ICICWS)
- International Journal of Computer and Information Technology (IJCIT)
- International Journal of Scientific and Engineering Research (IJSER)
- Scientific Research and Impact (SRI)

- International Association of Scientific Innovation and Research (IASIR)
- International Journal of Research in Engineering & Technology (IJRET)
- International Journal on Computer Science and Technology (IJCST)

International Journal of Engineering Research and Technology (IJERT)

CONFERENCES, COMMITTEES AND PROFESSIONAL ACTIVITIES

- Conference Chair, ICASDGAI-2025 (International Conference on Holistic Approaches to Achieve Sustainable Development Goals with Artificial Intelligence), Uttaranchal University.
- Coordinator, Technical Azzaro-2008, 7th National Level Technical Symposium.
- Member, Technical Committee, International Conference on Mathematics and Soft Computing (4–5 Dec 2010), sponsored by DST, DRDO and ICMR.
- Member, Technical Committee, National Level Conference on Innovative Computing Technologies (14 June 2011).
- Convener, Purchase Committee, National Conference on Modern Trends in Information & Communication Technology (20–22 Oct 2005).
- Judge for various events at N.C. College of Engineering, Israna, Panipat.

CONSULTANCY

Provided consultancy to MNK Publication for developing the Editorial Desk Manager application (www.editorialdeskmanager.com/mnk).

FACULTY DEVELOPMENT PROGRAMS

- Short-term course on Effective Teaching, NITTTR Chandigarh (16–20 Aug 2005).
- Short-term course on Quality Assurance in Technical Education, NITTTR Chandigarh (17–21 Aug 2004).
- Short-term course on High Impact Teaching Skills, Wipro Technology, sponsored by ISTE India (16–21 Apr 2012).
- Advanced workshop on Lesson Plan Management, Wipro Technology, sponsored by ISTE (2012).
- One-week FDP on Emerging Research Trends and Advancement in Information Technology (17–23 May 2022).

AWARDS AND RECOGNITION

- Research incentive and appreciation from the Chancellor, Uttaranchal University.
- Certificate of Honour from the Chancellor, Uttaranchal University, for the government-funded project “Image Sensing Animal Repellent cum Security System with Alarm and Alert”.

VISION FOR THE PROFESSOR ROLE

- **Teaching:** Strengthen the undergraduate and postgraduate curriculum in machine learning, data science, cloud computing and IoT; contribute to outcome-based education and accreditation processes through BOS and academic-committee work.

- **Research:** Build a research group in optimization and applied AI; convert funded-project prototypes and patents into publications and technology transfer; increase the department's SCI/Scopus-indexed output.
- **Mentoring:** Supervise Ph.D. and M.Tech scholars, and encourage student-led projects, hackathons and paper writing.
- **Funding & collaboration:** Pursue grants from DST, UCOST, iHUB and industry, and extend academic collaborations through conferences, FDPs and joint publications.
- **Governance:** Bring my experience as Dean of Academics, Acting Principal and Head of Department to academic planning, examination reform and quality assurance.

PROFESSIONAL MEMBERSHIPS

- Senior Member, Institute of Electrical and Electronics Engineers (IEEE) — Membership No. 98368994
- Member, International Association of Engineers (IAENG) — No. 110794
- Member, International Association of Computer Science and Information Technology (IACSIT) — No. 80341675
- Member, Computer Science Teachers Association (CSTA)
- Member, Indian Science Congress Association — No. A152
- Member, Universal Association of Computer and Electronics Engineers (UACEE)

COURSES TAUGHT

Machine Learning • Python Programming • Web Technology • Computer Networks • Cloud Computing • Software Engineering • Database Management Systems • Operating Systems • Computer Organisation and Architecture • Soft Computing • IoT • Data Science

TECHNICAL SKILLS

Machine Learning Models	Deepseek V4.1 Flash , Minimax M3.1 Flash, Glm5.3 etc
Operating Systems	Windows, Linux, Android
Programming Languages	C, C++, Python, PHP
Databases	MySQL Server, Oracle 8i
Web Technologies	HTML, JavaScript, CSS, XML; XAMPP and WAMP servers
IDEs & Embedded Systems	PyCharm, Notepad++; Arduino, Raspberry Pi 3, Kilo code, Opencode

PERSONAL DETAILS

Father's Name	Harkishan Lal
Date of Birth	15 November 1978
Gender / Marital Status	Male / Married

Nationality	Indian
Languages	Hindi, English, German (learning)
Personal Traits	Hardworking, duty-conscious, optimistic and self-confident

REFERENCES

Reference 1	Reference 2	Reference 3
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DECLARATION

I hereby declare that all the information given above is true and correct to the best of my knowledge. If given the opportunity, I will put in my best effort to prove myself worthy in the eyes of my employers.



(Signature)

Place: Yamuna Nagar
Date: _____

ANNEXURE: RECENT CONFERENCES ORGANIZED AND APPRECIATION FROM THE MANAGEMENT











