

- **Profile Summary**

Dr. Vipin Kumar is an Assistant Professor in the Department of Basic and Social Sciences, specializing in Computer Application/Artificial Intelligence and Cyber Security.

He holds two Master's degrees in Computer Applications and Computer Science & Engineering from Uttarakhand Technical University, Dehradun and has also presented his research at various international conferences and contributed to multiple Scopus-indexed publications.

He has qualified the UGC-NET examination three times and is a recipient of the prestigious Senior Research Fellowship (NFSC). He

Dr. Kumar is actively involved in teaching, research, and mentoring, with a strong focus on integrating theoretical knowledge with practical applications to address real-world cyber security challenges. His areas of expertise include deep learning, machine learning, pattern recognition, intrusion detection, secure identity modeling, and real-world problem-solving.

- **Research Interests**

Edge Computing, Network Security and Cryptography, Data Privacy, Privacy Enhancing Technology, Machine Learning, AI

- **Recent Publications**

(Published Papers in Referred/Journals notified by UGC) **recent 5 years/ 5 Papers**

Sr.No.	Title of Paper	Journal	ISSN No.	Volume No.	Year Of Publications
1					
2	P3IDF-EC: PCA-Based Privacy-Preserving Intrusion Detection Framework for Edge Computing	Peer-reviewed	2661-8907	5	2024
3	Enhancing Intrusion Detection System Performance to Detect Attacks on Edge of Things	Peer-reviewed	2662-995X	4	2023
4	A Study on MQTT Protocol and its Cyber Attacks	Peer-reviewed	2393-8021	9	2022
5	A Proficient and Protected Node Validation in Wireless Sensor Network	Peer-reviewed	2395-2946	19	2016

- [Education](#)

Sr. No.	Examination	University/Board	Main Subject	Year of Passing
1	Matric	CBSE	SCIENCE	2003
2	10+2/Inter/HSC (Science-PCM)	CBSE	SCIENCE WITH PCM	2005
3	Graduation (Bachelor of Science-PCM)	HNBGU Srinagar	PCM	2008
4	Post Graduation Master of Computer Application	UTU DEHRADUN	COMPUTER APPLICATION	2011
5	M.TECH	UTU DEHRADUN	Computer Science and Engineering	2013
6	PGDCL	UOU HALDWANI	CYBER LAW	2019
7	Pre-Ph.D. Course Work	GK(DBTU) Haridwar	Computer Science	2020

- [Work History](#)

Academic Experience			
Duration (From-To)	Post	Organization	Nature
	Professor		Permanent
	Associate Professor		Permanent
	Assistant Professor		Permanent
	Reader		Permanent
	Lecturer		Permanent

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Administrative Experience			
Duration	Post	Organization	Nature

- [Thesis Supervision](#)

Student (s)	Degree	Title	Year	Awarded by
	Ph.D.			

- [Professional Activities](#)

Activity / Membership	Organization	Since

- [Awards/ Achievements](#)

Awards/ Achievements	Organization	Year

Publications:	
Research Papers	
Papers presented in various conferences/symposium etc.	
Books	00
Book chapters	05
Review papers	02
Lead papers	07
Popular articles	00
Technical bulletins	00
Souvenir	00