

Kumaun University, Nainital
Curriculum Vitae

Name : UMANG
Designation : Assistant Professor
Department : Computer Application
Contact Information
• Email Address : anilumang@yhao.co.in
• Mobile No : 9410564545
LinkedIn Profile (Optional) :
ORCID ID :0000-0002-9458-5817
Scopus ID :
Vidwan ID :

Educational Qualification

Degree	University	Subjects	Year
MCA	IGNOU	Computer Application (all compulsory)	2003
PhD (Submitted)	SVU Gajraula	Computer Science	2023

Work Experience

Position	Department	University/Organization	Year
Assistant Professor	Information Technology	Kumaun University Nainital and SSJ University Almora	21-08-2010 to 31-05-2022
Assistant Professor	Computer Application	Kumaun University Nainital	01-06-2022 -continue

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Head	Administration	Kumaun University, Nainital	2011-2020
Head	Administration	SSJ University, Almora	20-08-2020 to 31-05-2022

Assistant Director DIC	Initiating and monitoring digital initiatives at university	Kumaun University Nainital	Jan 2022-continue
------------------------	---	----------------------------	-------------------

Research Interests

Software development related to development of databases and datamining and Application of Artificial Intelligence tools to real life projects.

Publications (start from recent publications)

a) Research Papers

Authors name	Title of the paper	Journal, vol, page no	Year
Rajesh Singh, Rajesh Kumar, Anita Gehlot, Umang, Shaik Vaseem Akram, Gaurav Thakur, Kapil Joshi,	"Internet of Wild Things with the Integration of Vision Technology and LoRa Network,"	<i>SSRG International Journal of Electrical and Electronics Engineering</i> , vol. 10, no. 3, pp. 1-7, 2023. <i>Crossref</i> , https://doi.org/10.14445/23488379/IJEEE-V10I3P101	2023
Vaqr, M., Kumar, R. ., Singh, R. ., Umang, U., Gehlot, A. ., Vaseem Akram, S. ., & Joshi, K. . (2023).	Role of Digitalization in Election Voting Through Industry 4.0 Enabling Technologies.	<i>International Journal on Recent and Innovation Trends in Computing and Communication</i> , 11(2), 123–130. https://doi.org/10.17762/ijritcc.v11i2.6136	2023
Umang.	Mining and analysis of Microsatellites in Human Coronavirus genomes using inhouse built Java pipeline	<i>Genomics and Inform.</i> 2022;20(3); e34. https://doi.org/10.5808/gi.20033	2022

Umang.	Computational Approach for Mining Simple Sequence Repeats in Expressed Sequence Tags.	Samriddhi: Journal of Physical science, engineering and Technology Volume 14, (3), July-September issue, 2022. (print ISSN:2229-7111)	2022
Umang, U., P. K. Bharti, and A. Husain.	“Bibliometric Analysis of Research Aspects of Simple Sequence Repeats in Cultivars”.	<i>International Journal of Health Sciences</i> , vol. 6, no. S4, Aug. 2022, pp. 7922-33, doi:10.53730/ijhs.v6nS4.11756.	2022
Umang & Pandey D.	A Bibliometric analysis of application of big data tools in Electoral Campaigns by using VOSviewer .	Third concept February 2022. 46-50.	2022
Umang, P Sagar, P Joshi.	Data centre: An Accelerator for climate change in the Decade ahead	Adv. Biores. Vol 12[2] March 2021.237-240	2021
Umang.	A STUDY ON DIGITIZATION EFFORTS FOR PROMOTING OF INDIAN ARTS AND CULTURE	International journal of multidisciplinary education research.DOI: http://ijmer.in.doi./2021/10.09.103 ISSN:2277-7881; VOLUME:10, ISSUE:9(6), September: 2021	2021

Umang.	Lexicon Based Sentiment Analysis Algorithm for Web Reviews.	International Journal of Advances in Engineering and Management (IJAEM) Volume 2, Issue 5, pp: 191-193 ISSN: 2395-5252. DOI: 10.35629/5252-0205191193. ISSN 2395-5252	2020
--------	---	---	------

b) Patents (start from recent publications)

Authors name	Title of the patent	Patent no (Granted or filed)	Year

c) Books (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year

d) Book chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
Umang.	Information Technology disaster recovery plan-Strategy and preparedness in India: Management and technology control of disasters.	Publisher-Bloomsbury India Editor-SN Chauhan	9789382951421	January 2013
Umang & Anil Saini	An Android application for poultry farm Management: Infinitude frontiers of research in Mathematics, Statistics and Computer Science	Publisher - UGC-HRDC University of Calicut, August		2016
Kapil Joshi, Manisha Khanduja, Rajesh Kumar, Umang, Parul	Big data-based clustering algorithm technique: A review analysis	Book Automation and Computation Edition 1st Edition	eBook ISBN9781003333500 DOI https://doi.org/10.1201/9781003333500	2023

Saxena, Aditi Sharma		First Published 2023 Imprint CRC Press Pages8		
Kumar, A., Murugesan, R.K., Chaudhary, H., Singh, N., Joshi, K., Umang	Speed Analysis on Client Server Architecture Using HTTP/2 Over HTTP/1: A Generic Review.	In: Rathore, V.S., Tavares, J.M.R.S., Piuri, V., Surendiran, B. (eds) Emerging Trends in Expert Applications and Security.	ICE-TEAS 2023. Lecture Notes in Networks and Systems, vol 681. Springer, Singapore. https://doi.org/10.1007/978-981-99-1909-3_34	2023
<i>Parul Saxena, Umang Saini, Vinay Saxena</i>	Design and implementation of sound signal reconstruction algorithm for blue hearing system using wavelet	Book Automation and Computation Edition 1st Edition Imprint CRC Press Pages7	eBook ISBN9781003333500	First Published2023

e) Conference Publications/Proceedings (start from recent publications)

Authors name	Title of the paper	Conference name	Year
Umang.	Artificial Intelligence in Adherence of Climate Change Estimation: Opportunities and Challenges.	Proceedings of the Fourth International Conference on Electronics and Sustainable Communication Systems (ICESC-2023) IEEE Xplore Part Number: CFP23V66-ART; ISBN: 979-8-3503-0009-3. 2023 4th International Conference on Electronics and Sustainable Communication Systems (ICESC) 979-8-3503-0009-3/23/\$31.00 ©2023 IEEE DOI: 10.1109/ICESC57686.2023.10193069	2023
Umang, P K Bharti Akhtar Husain	Mining of Microsatellites in Genomic Data Using a Hybrid	2022 7th International Conference on Computing, Communication and Security (ICCCS) 979-8-3503-0990-	2022

	Approach with Range Tree Applications	4/22/\$31.00 ©2022 IEEE DOI: 10.1109/ICCCS55188.2022.10079353	
Umang, P K Bharti Akhtar Husain	Empirical Evaluation of in silico Microsatellites Mining Tools Designed Using Nextgen Technology in Crops	2022 7th International Conference on Computing, Communication and Security (ICCCS) 979-8-3503-0990-4/22/\$31.00 ©2022 IEEE DOI: 10.1109/ICCCS55188.2022.10079358	2022

Projects

Title of the project	Funding agency	Amount (Rs)	Year
WATER QUALITY ASSESSMENT USING ARTIFICIAL INTELLIGENCE TOOLS: CASE STUDY OF RIVER GANGA FROM DEOPRAYAG AND RISHIKESH SITES	KUIFR, Kumaun University, Nainital	Two lakhs only	2024

Teaching details

Name of the course/paper	Department	University	Year
Information Security	Computer Science	Kumaun University, Nainital	2022-23, 2023-24
Advance Java	Computer Science	Kumaun University, Nainital	2022-23, 2023-24
Software engineering	Computer Science	Kumaun University, Nainital	2022-23, 2023-24
Cyber security	Computer Science	Kumaun University, Nainital	2022-23, 2023-24

Operating System	Computer Science	Kumaun University, Nainital	2022-23, 2023-24
Data Mining with python	Computer Science	Kumaun University, Nainital	2022-23, 2023-24
Cyber security Awareness	Computer Science	Kumaun University, Nainital	2022-23, 2023-24
Programming in Java	Computer Science	Kumaun University, Nainital	2022-23, 2023-24

Professional Memberships

Organization	Position	Year

Honours and Awards

Award	Awarding Organization	Year
Best Paper Award	SSJ University Almora	2022

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
Artificial Intelligence in Adherence of Climate Change Estimation: Opportunities and Challenges.	ICBDCl, 2022	KU Nainital	2022
Mining of Microsatellites in Genomic Data Using a Hybrid Approach with Range Tree Applications	ICBDCl, 2022	KU Nainital	2022
Artificial Intelligence in Adherence of Climate Change Estimation: Opportunities and Challenges	IEEE, ICESC	Hindusta Institute of Technology, Coimbatore	2023

Signature of the faculty member