

CENTRAL UNIVERSITY OF
JAMMU

FACULTY PROFILE
PERFORMA

Name	Dr. Gourav Kumar	
Title & Designation	Assistant Professor Department of Computer Science & Engineering, Central University of Jammu. Rahya-Suchani (Bagla), District Samba, Pincode - 181 143, Jammu & Kashmir (J&K), India	
Residence Address	Shanti Nagar, Ward No.-11, Tehsil-Nowshera, District:- Rajouri, J&K, 185151	
Mobile Number	9622528040	
Residence Phone No		
Email	gourav.cse@cuammu.ac.in	
Educational Qualifications:		
Degree	Institution	Year
Ph.D	Shri Mata Vaishno Devi University, Katra	2022
M.Tech	University of Jammu, Jammu	2016
B.Tech	Baba Ghulam Shah Badshah University, Rajouri	2013
GATE	Conducted by IIT Kharagpur	2014
NET	University Grant Commission,	November- 2017, June-2019, Dec-2019.
SET	Conducted by University of Jammu	2018
Career Profile:		
<p>Dr. Gourav Kumar works as Assistant Professor in the Department of Computer Science and Engineering, Central University of Jammu, J&K. He has more than 2 years of experience in teaching and research. He has qualified GATE (Graduate Aptitude Test in Engineering) 2014, NET (National Eligibility Test) Nov-2017, June-2019, Dec- 2019, SET (State Eligibility Test) 2018. His research interests include, Artificial Intelligence, Machine Learning, Deep Learning, Soft Computing, Nature Inspired Algorithms, Time series analysis, image processing. He has authored 12 research articles in various SCIE and Scopus indexed International journals/conference proceeding.</p>		
Administrative Assignments:		
<ul style="list-style-type: none">Assistant Warden, Dr. Syama Prasad Mookerjee Boys Hostel, Central University of Jammu		
Areas of Interest / Specialization:		
Artificial Intelligence, Machine Learning, Deep Learning, Soft Computing, Nature Inspired Algorithms, Time Series Analysis, Image Processing		
Subjects Taught:		
Object Oriented Programming with C++, Data Structure, Data Warehousing and mining, Machine Learning		
Research Guidance:		

Publications Profile:**a. Research Papers in Journals**

- 1) G. Kumar, S. Jain and U.P Singh, "Stock market forecasting using computational intelligence: A survey", Archives of Computational Methods in Engineering, vol. 28, pp. 1069-1101, 2020. (SCIE Indexed, I.F 7.302)
- 2) G. Kumar, U. P. Singh & S. Jain, "Hybrid evolutionary intelligent system and hybrid time series econometric model for stock price forecasting", International Journal of Intelligent Systems, 2021. (SCIE Indexed I.F 8.709)
- 3) G. Kumar, U. P. Singh & S. Jain, "Swarm Intelligence based Hybrid Neural Network Approach for Stock Price Forecasting", Computational Economics, 2021. (SCIE Indexed, I.F 1.876)
- 4) G. Kumar, U. P. Singh & S. Jain, "An Adaptive Particle Swarm Optimization based Hybrid Long Short Term Memory Model for Stock Price Time Series Forecasting", Soft Computing, 2022. (SCIE Indexed, I.F. 3.732)
- 5) G. Kumar & V. Sharma, "Stock Market Index Forecasting of Nifty 50 Using Machine Learning Techniques with ANN Approach", International Journal of Modern Computer Science (IJMCS), Volume 4, Issue 3, June 2016.
- 6) Bali, A., Chouhan, S. S., Kumar, G., Kumar, R., & Singh, U. P., "Adaptive Fault-Tolerant Control for Pure-Feedback Stochastic Nonlinear Systems with Sensor and Actuator Faults. *Circuits, Systems, and Signal Processing*, 1-30, 2023. (SCIE Indexed, I.F. 2.3)
- 7) G. Kumar, U. P. Singh & S. Jain, "Stock Price Forecasting based on the Relationship among Asian Stock Markets using Deep Learning", Concurrency and Computation Practice and Experience, 2023 (SCIE Indexed, I.F. 2)

b. Articles/Research Paper in Books**c. Conference Proceedings**

- 1) G. Kumar, S. Jain & U. P. Singh, "Neuro-Fuzzy and Particle Swarm optimization based Hybrid Approach for Stock Price Forecasting". In 2021 International Conference on Emerging Smart Computing and Informatics (ESCI), pp. 753-758, March 2021. IEEE.
- 2) G. Kumar, S. Jain, S. & U. P. Singh, "Elman Neural Network and Technical Analysis based Approach for Stock Market forecasting", International Conference on Mathematical Sciences and Computational Intelligence organized by school of Mathematics, SMVDU, Katra, J&K, 21-22 December, 2020.
- 3) G. Kumar, S. Jain, S. & U. P. Singh, Technical Analysis: A Classical Approach for Stock Market Forecasting, 6th International Conference on Recent Trends & Advancement in Engineering and Technology, SMVDU, Katra, 19-18 Jan 2020.
- 4) G. Kumar, S. Jain, S. & U. P. Singh, " Neural Network Approach for stock market forecasting" National Conference on Recent Trends in Mathematical Sciences (NCRTM-2019), SMVDU, Katra, 13-14 Dec 2019.

Conference / Workshops/Training Organized:

- I have worked as organizing member at **6th international conference on recent trends and advancements in engineering and technology** organized by Shri Mata Vaishno Devi University on 17- 18th January 2020.

Conference/Workshops/Training attended:

- Participated in, "5th international conference on recent trends and advancement in engineering and technology" at Shri Mata Vaishno Devi University on 25th-26th October, 2018.

- Worked as organizing member at 6th international conference on recent trends and advancements in engineering and technology organized by Shri Mata Vaishno Devi University on 17- 18th January 2020.
- Completed faculty development programme on ,”Data Analytics techniques with python” conducted by the Electronics and ICT Academy, IIT Roorkee at Shri Mata Vaishno Devi University from 04th -08th Sept. 2018.
- Completed one week faculty development programme on,”Artificial intelligence and Machine learning” organised by the Electronics and ICT Academy and Ministry of Electronics and Information Technology (MeitY) from 17th-21th Dec. 2018.
- Completed faculty development programme on ,”Internet of Things (IOT) with cloud Applications” conducted by the Electronics and ICT Academy, IIT Roorke at Shri Mata Vaishno Devi University from 04th – 08th Feb. 2019.
- Completed faculty development programme on,”Machine learning using python” conducted by the Electronics and ICT Academy, IIT Roorke at Shri Mata Vaishno Devi University from 01th – 05th July, 2019.
- Completed training programme of DELL-EMC-Nvidia on,” Artificial intelligence/ deep learning” organized by Aman Technologies at SMVDU Campus on 25th -26th july 2019.
- Completed one week national workshop on, “Scientific Learning with python” orgained by Electronics and Communication Engineering, Shri Mata Vaishno Devi University from 25th – 29th may 2019.
- Completed two days workshop on “Ethical Hacking and Cyber Security” orgained by SoCSE, SMVD University from 25th-26th Sept. 2019.
- Completed one week workshop on “Foundation of Fuzzy set and Fuzzy Logic Applications” organized by Department of computer science and Engineering, Shri Mata Vasihno Devi University, From 30th –Sept to 4th Oct. 2019.
- Completed one week faculty development programme on, ”Deep learning and Machine Learning Applications using Python” conducted by the Electronics and ICT Acadmeny IIT Roorkee from 06th- 10th January 2020.
- Completed one week online course titled “Soft Computing: Theories and Application (SoCTA-2020)” organized by Dr B R Ambedkar National institute of technology, Jalander from 14th -18th September, 2020.
- Completed e-short term course on “Advanced Mathematical Techniques for Engineers & Scientists -AMTES20” organized by NIT Rourkela from 28th -30th September, 2020.
- Completed the Online Centre for Continuing Education (CCE) program on “Soft Computing techniques for Emerging Applications (SCTEA)” organized by NIT Warangal from 5th -9th October 2020.
- Completed a NPTEL online certification course titled “Introduction to Soft Computing” with elite+silver certification organized by IIT Kharagpur.
- Completed a NPTEL online certification course titled “Fuzzy Logic and Neural Networks” with elite+silver certification organized by IIT Kharagpur.
- Completed a NPTEL online certification course titled “Python for Data Science” with elite+silver certification organized by IIT Madras.
- Completed a NPTEL online certification course titled “Deep Learning” with elite certification organized by IIT Madras.
- Completed a NPTEL online certification course titled “Introduction to Machine Learning” with elite certification organized by IIT Madras.
- Completed a NPTEL online certification course titled “Deep Learning” with elite certification organized by IIT Kharagpur.

Conference Organized

- organizing member at 6th international conference on recent trends and advancements in engineering and

technology organized by Shri Mata Vaishno Devi University on 17- 18th January 2020.

Invited Lectures/Resource Persons:

Research Projects (Major Grants/Research Collaboration):

Association with Professional Bodies:

08-03-2023

Dr. Gourav Kumar