Name:	Sachin Kumar
Designation:	Assistant Professor
Department:	Computer Science &Engineering
Phone No(s):	9005808242
Email:	jaiswalsachin009@gmail.com
Qualifications:	PhD(P), M.Tech, B.Tech, Diploma
Experience:	13+ Years
Area of Interest:	Deep Learning, Machine Learning, Database Management System, Discrete Mathematics, Cloud Computing
Publication:	10+
Book/Book Chapter:	8+
Patent:	1
Sponsored Projects:	Nil
Consultancy:	Nil

SACHIN KUMAR
PhD, JRF, SRF (B.H.U), SFRF (I.I.T DELHI), M. Tech, B. Tech, Diploma
Banaras Hindu University

EXPERIENCE- 13+ YEARS

JOB TITLE- ASSISTANT PROFESSOR

Contact: +919005808242/7007920360

Email: jaiswalsachin009@gmail.com, jaiswalsachin001@gmail.com

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Professional Summary

Research oriented with expertise in computer science & engineering. Offers 13+years background in supporting students, developing instructional plans, and organizing and grading exams and tests. I am commended for sustaining an effective learning environment through prepared classes and relevant assignments and consistently achieving classroom management and academic goals and 6+ years in research oriented programs.

Notable Research Skills

- Having 6 years of research experience during Ph.D. and M. Tech.

- Knowledge of statistical tools (MATLAB, GOOGLE COLAB, PYTHON, WEKKA) for data analysis, forecasting, and mining.
- Currently working on image classification using MATLAB 2020 for research paper and future forecasting of agricultural commodities from B.H.U.

Career Summary

- A research scholar and Asst. Professor with extensive knowledge having more than 13+ years of experience.

- Excellent knowledge of computer science and engineering and new methodologies.

- Excellent in learning real-time knowledge about technology.

- Excellent knowledge of subjects related to CSE.

- 8+ Research articles published in Scopus indexed journal/Proceedings during PhD.

- 8+ Book Chapters published during PhD.

Experiences:

	EXPERIENCE AFTER MASTER DEGREE (M. Tech in Computer Science)				
SN	**ORGANIZATION**	**DESIG.**	**D.O.J**	**D.O.R**	**Experiences**
1	ASHOKA INSTITUTE OF TECHNOLOGY-VARANASI	A.P	17.01.23	Continuing	------------
2	KASHI INSTITUTE OF TECHNOLOGY-VARANASI	A.P	04.10.20	23.11.22	1year+ 1 Month
3	SHEAT COLLEGE OF ENGINEERING & MGMT-VNS	A.P	05.02.20	04.10.21	1 year +8 months
4	MICROTEK COLLEGE OF MGMT & TECH.	A.P	02.07.16	05.09.19	3 years +2 months
6	COLLEGE OF ENGINEERING SCIENCE & TECHNOLOGY	A.P	25.07.12	30.10.14	2 Years + 3 Months
7	KASHI INSTITUTE OF TECHNOLOGY-VARANASI	A.P	01.08.11	24.07.12	1 Year- 6 days
8	MASTERMIND CLASSES-VARANASI	IT-ASSIT.	1.05.2003	31.07.2006	3 Years + 2 Months
	TOTAL EXPERIENCES:				13+ years

Research Work:

SN	TITLE	PUBLISHER
Research Paper Published(Scopus Indexed)-During Ph.d	
1	Energy- Efficient Model "InceptionV3 Based on Deep Convolutional Neural Network" Using Cloud Platform for Detection of COVID-19 Infected Patients	EPIDEMIOLOGIC METHODS-2023
2	Performance evaluation of ResNet model for classification of tomato plant disease	EPIDEMIOLOGIC METHODS-2023
3	Energy-Efficient Model "DenseNet201 Based on Deep Convolutional Neural Network" Using Cloud Platform for Detection of COVID-19 Infected Patients	EPIDEMIOLOGIC METHODS-2023
4	Covid-19 Disease Detection Using Pre-Trained Deep Convolutional Neural Network (GoogleNet) on Cloud Platform	NEUROQUANTOLOGY
5	Energy & Cost Efficient Pre-Trained Convolutional Neural Network(ResNet-50) for Tomato Disease Recognition Using Cloud Platform	NEUROQUANTOLOGY
6	To Detect Spammer from Image-Based Spam E-mail through Adjacent-Duplicate Technique	ICKECS-2023
7	Energy Efficient Model (ARIMA) for Forecasting of Modal Price of Cod Pea Using Cloud Platform	IICS -2021
8	Energy Efficient Model for Balancing Energy in Cloud Datacenters Using Dynamic Voltage Frequency Scaling (DVFS) Technique	DoSCI-2022
9	An Energy & Cost Efficient Task Consolidation Algorithm for Cloud Computing Systems	ASCIS-2022
10	Price Forecasting of Potato Using ARIMA Model on Cloud Platform	ASCIS-2023
11	Gold Price Prediction Using ARIMA model	Refereed Journal
12	Energy Efficient Model for Cloud Computing	IJAEMA(UGC-CARE)

SN	TITLE	PUBLISHER
Research Paper Published During M. Tech	
8	APPLYING DYNAMIC VOLTAGE FREQUENCY SCALING (DVFS) FOR BALANCING ENERGY IN CLOUD DATACENTERS	Advanced Journal of Computer Science and Engineering (AJCST)
9	Efficient Topology based Load balancing for Cloud Infrastructures	Advanced Journal of Computer Science and Engineering (AJCST)
10	EFFICIENT K-MEANS CLUSTERING FOR HEALTHCARE DATA	Advanced Journal of Computer Science and Engineering (AJCST)

SN	TITLE	PUBLISHER
Research Paper Under Communication	
14	COVID-19 Disease Detection using Pre-Trained Deep Convolutional Neural Network (GoogleNet) on Cloud Platform	BJIT
15	Tomato Disease Recognition Using Deep Learning Techniques	EPIDEMIOLOGIC METHODS
16	Price Forecasting of Potato Using Machine Learning Model(ARIMA) on Cloud Platform	VJCS

	Energy Efficient Task Consolidation Algorithm for Cloud	SNCS	
17	Computing Environment		

BOOK CHAPTERS (Springer-Scopus Indexed)		
SN	**TITLE**	**ORGANIZER**
1	Energy Efficient Model (ARIMA) for Forecasting of Modal Price of Cod Pea Using Cloud Platform	IICS -2021(SCOPUS INDEXED)
2	Energy Efficient Model for Balancing Energy in Cloud Datacenters Using Dynamic Voltage Frequency Scaling (DVFS) Technique	DoSCI-2022(SCOPUS INDEXED)
3	An Energy & Cost Efficient Task Consolidation Algorithm for Cloud Computing Systems	ASCIS-2022
3	Internet of Things	UNDER COMMUNICATION

CONFERENCE PRESENTED		
SN	**TITLE**	**ORGANIZER**
1	Energy-Efficient Model "DenseNet201 Based on Deep Convolutional Neural Network" Using Cloud Platform for Detection of COVID-19 Infected Patients	IIT-BHU-2023
2	Deep Learning Technique for Classification of Medical Images on Cloud Platform	ETESM-2023
3	Education Sector an application of IoT	ETESM-2023
4	Detection of Tomato Disease by Using Convolutional Neural Network	ETESM-2023
5	Price Forecasting of Gold in India	BECON-2023
6	Energy Efficient Model (ARIMA) for Forecasting of Modal Price of Cod Pea Using Cloud Platform	IICS -2021(SCOPUS INDEXED)
7	Energy Efficient Model for Balancing Energy in Cloud Datacenters Using Dynamic Voltage Frequency Scaling (DVFS) Technique	DoSCI-2022(SCOPUS INDEXED)
8	Energy and Cost Efficient Model for Saving Power in Cloud	ICRTETM-2022
9	Task Consolidation Technique for Cloud Computing	ASCIS-2022
10	Covid-19 Disease Detection Using Pre-Trained Deep Convolutional Neural Network (GoogleNet) on Cloud Platform	RCOEM-2022
11	Energy & Cost Efficient Pre-Trained Convolutional Neural Network(ResNet-50) for Tomato Disease Recognition Using Cloud Platform	RCOEM-2022
12	Brain Tumor Detection Using Deep Learning Technique	IESM-2022
13	Virtual Machine Migration Using Cloud Computing	IESM-2022
14	Application of IOT in Education Sector	IESM-2022
15	Machine Learning Technique For Fraud Detection	IESM-2022

CONFERENCE ATTENDED		
SN	**TITLE**	**ORGANIZER**
1	MIGRATION OF VIRTUAL MACHINES	COTII
2	The 6th Sense Technology & Its Various Threats	COTII
PATENT		
SN	**TITLE**	**ORGANIZER**
1	Teaching potential and difficulties with modern cloud computing in the digital humanities and in technical and professional communication	Department of Promotion of Industry and Internal Trades-India

SN	TITLE	FDP	DAYS	DATE	ORGANIZER
	FACULTY DEVELOPMENT PROGRAM				
1	Unlocking the future: Exploring the transformative Power of 5G and Beyond	FDP	5	4-9 Dec-2023	REC Sonebhadra
2	Research Proposal Writing For Funding Project	FDP	05	24-28 Apr 2023	ARKA Jain Uni.
3	Vocational Future Prospective, Opportunities & Challenges	Seminar	03	6-8 May 2023	Deewan Institute of Tech.
4	Deep Learning Applications in Healthcare & Technology	FDP	6	26 June-01 July 2023	IIT Roorkee
5	Cloud Infrastructure	FDP	5	21-25 Aug 2023	St. Peter's Engg. COllege
6	MACHINE LEARNING CONCEPT & APPLICATIONS	FDP	5	14-20 MAR-23	JAMMU UNIVERSITY
		FD	6	13-18 Feb 23	NRCEM
7	AI FOR MULTIMEDIA PROCESSING & SECURITY	FDP	5	18-22 FEB-23	NIT-PATNA
8	SMART GRID:CHALLENGES & OPPORTUNITIES	FDP	5	20-24 FEB-23	AITM
9	RCENT TRENDS IN COMPUTION,DATA PROCESSING & SECURITY	FDP	5	30 JAN-03 FEB-23	AITM
10	"Cyber Security Challenges and Practices(CSCP-2022)"	FDP	5	28-NOV-02DEC-22	REC-SONEBHADRA
11	Entrepreneurship, Research Methodology and Patent Writing	FDP	5	25-29 JULY-2022	KIT
12	CYBER SECURITY AND DIGITAL FORENSIC	WORKSHOP	5	26-30 AUG 21	AMU
13	CYBER SECURITY AND INFORMATION ASSURANCE	FDP	5	27-31 JAN 2022	REC,SONEBHADRA
14	CLOUD COMPUTING	FDP	5	16-20 SEP 2019	IIT ROORKEE
15	ADVANCES IN CONTROL AND ITS APPLICATION IN GREEN ENERGY TECHNOLOGY	FDP	5	27-01 0CT 2019	INTEGRAL UNIVERSITY
16	CRYPTOGRAPHY & CYBERSECURITY	FDP	5	14-18 SEP 2019	VBSPU
17	RECENT ADVANCES IN MECHANICAL ENGINEERING	FDP	5	6-10 NOV 2019	VBSPU
18	Emerging Trends in Data Science & IoT	FDP	5	20th to 25th July 2020.	Arka Jain University,
19	IEEE VIRTUAL COLLOQUIUM ON CYBERSECURITY	SEMINAR	3	03-05 JULY 2022	IEEE ACSIR-CSIO
20	"Internet of Things (IoT)"	WORKSHOP	3	24-26 June,2020.	PIET,KOTA
21	Blockchain	FDP	5	14-18 DEC 2019	IIT PATNA
22	ROBOTICS	FDP	5	11-15 MARCH 2020	IIT BHU
23	ARTIFICIAL INTELLIGENCE	FDP	5	08-12 JULY 2020	NIT JAMSHEDPUR

24	SUSTAINABLE DEVELOPMENT AND THE PANDEMIC COVID-19	WEBINAR	1	5-Jun-20	SHEAT
25	AI & MACHINE LEARNING	FDP	5	23-27 DEC 2019	IIT ROORKEE
26	"Creating Healthy World Through Agriculture Base, Balanced Diet"	WORKSHOP	3	06-08 SEP 2021	ICAR
27	DATA ANALYTICS AND PREDICTIVE TECHNOLOGIES	STC	5	05-10 JULY 2021	IIT BHU
28	Cyber Security in Digital Era	FDP	5	23-27 AUG 2021	BGSB (J&K)
29	Future Trends in Wireless Communications and Devices	FDP	5	10-14 FEB 2022	REC,SONEBHADRA
30	Semantic Intelligence: The Way Forward with Artificial Intelligence	FDP	5	1-5 JULY 2021	NIT KURUKSHETRA
31	Entrepreneurship, Research Methodology, Patent Writing	FDP	5	25-29 JULY 2022	KIT VARANASI
32	CYBER SECURITY:ISSUE OF CONCERN FOR BUSINESS CHALLENGES OPPORTUNITIES & REMEDIES	Summit	1	20-Mar-21	

Personality Traits-

- Excellent Presentation, motivational, and leadership skills.
- Strong analytical, logical, and mathematical skills.
- Ability to handle the students.
- Ability to provide quality knowledge.

Key responsibilities handled-

- Manage the PowerPoint presentation for students.
- Provide conceptual knowledge and make them visualize things.
- Identify the weak points of students.
- Develop the extracurricular activities of students.
- Provide help during the project.
- Provide support to weak students.

Area of interest: For working as a research associate.

Educational Qualification-

COURSE	UNIVERSITY	%	YEAR
S.F.R.F	IIT-DELHI	CERTIFICATE AWARDED	2022
J.R.F & S.R.F	B.H.U	CERTIFICATE AWARDED	2023
DIPLOMA	B.H.U	74.5	2022
Ph. D(P)	VBSPU-JAUNPUR	Thesis Submitted	2023*
M.TECH	B.B.A.U CENTRAL UNIVERSITY-LKO	77.8	2016
B.TECH	A.K.T.U-LKO	63.4	2011

Extra Curricular Activities-

- Arranging events at the college level

  - Member of SPANDAN- 2013 (The Cultural Fest of Institute)

Personal Details-

Languages Known- Hindi, English

Hobbies-

- To learn new technology and methodology.

Name: **Sachin Kumar**

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