CURRICULUM VITAE

Demographic and Personal Information

Prince Sharma

Contact Information:	Guest Faculty, School of Computing, Indian Institute of Information Technology, Saloh, Una, 177209

EMPLOYMENT HISTORY:

Title/Position	University/Institution	Period
Guest Faculty	Indian Institute of Information Technology, Saloh, Una	Present
Guest Faculty	Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab	August 2022 – June 2023
Assistant Professor	Chitkara University, Patiala, Punjab	October 2021 – August 2022
Guest Faculty	Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab	July 2019 – July 2021
Assistant Professor	Alakh Prakash Goyal Shimla University, Shimla, Himachal Pradesh	September 2016 – July 2019
Assistant Professor	Career Point University, Hamirpur, Himachal Pradesh	August 2013 – August 2014
Assistant Professor	Shiva Institute of Engineering and Technology, Bilaspur, Himachal Pradesh	January 2013 – July 2013

EDUCATION:

Ph.D. (Computer Science and Engineering)
Jaypee University of Information Technology, Solan, India, in 2014-2021
Title: An efficient mobile data offloading solution for opportunistic networks.

M. Tech. (Computer Science)
Himachal Pradesh University, Shimla, Himachal Pradesh, India in 2012

B.Tech. (Computer Science and Engineering)
Himachal Pradesh University, Shimla, Himachal Pradesh, India in 2010

RESEARCH INTERESTS:

- Computer Networks
- Social Network Analysis
- Internet of Things

M.TECH. STUDENTS SUPERVISED:

Nitika Verma	Analysis of road accident spots in H.P. for establishing best health centres nearby them
Abdel-Aziz Binguitcha-Fare	Crops and weeds classification using CNNs via optimization of transfer learning parameters

RESEARCH PROFILE:

1) Google Scholar:
   https://scholar.google.com/citations?user=j7WjexMAAAAJ&hl=en
2) DBLP:
   https://dblp.org/pid/298/1617.html
3) SCOPUS:
   https://www.scopus.com/authid/detail.uri?authorId=57210109765
4) ORCID ID:
   https://orcid.org/0000-0003-3222-6795?lang=en

RESEARCH PUBLICATIONS:

Journals:

1. "An era of mobile data offloading opportunities: A comprehensive survey" accepted for publication in the Springer journal of Mobile Networks and Applications in 2022. (Indexed in SCIE, WoS, and SCOPUS, DOI, 10.1007/s11036-023-02116-8)
2. Prince Sharma, Shailendra Shukla and Amol Vasudeva. "Data offloading via Optimal Target Set Selection in Opportunistic Networks" Mobile Networks and Applications, 2021. (Indexed in SCIE, WoS, and SCOPUS, DOI: 10.1007/s11036-021-01760-2)
3. Prince Sharma, Shailendra Shukla and Amol Vasudeva. "Trust-based Opportunistic Network Offloaders for Smart Agriculture" International Journal of Agricultural and Environmental Information Systems, 2021. (Indexed in ESCI, SCOPUS, DOI: 10.4018/IJAEIS.20210101.oa3)
4. Prince Sharma, "Energy Efficient Target Set Selection and Buffer Management for D2D Mobile Data Offloading" International Journal of Data and Network Science, 2020. (Indexed in SCOPUS, DOI: 10.5267/j.ijdns.2020.12.002)
5. Binguitcha-Fare, Abdel-Aziz, and Prince Sharma. "Crops and weeds classification using Convolutional Neural Networks via optimization of transfer learning parameters." International Journal of Engineering and Advanced Technology (IJEAT) 8(5).2019. (Indexed in SCOPUS)

Conference Papers:

1. Prince Sharma, Shailendra Shukla and Amol Vasudeva. "Trust-based Incentive for Mobile Offloaders in Opportunistic Networks" International conference on Smart Electronics and Communication 2020, IEEE, 2020. (Indexed in SCOPUS, DOI: 10.1109/icosec49089.2020.9215264)
2. Prince Sharma and Shailendra Shukla. "Optimal Target Set Selection via Opinion Dynamics." Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC). IEEE, 2018. (Indexed in SCOPUS, DOI: 10.1109/PDGC.2018.8745846)

PARTICIPATION OF CONFERENCES:

1. International conference on Smart Electronics and Communication 2020, IEEE, 2020.
2. International Conference on Parallel, Distributed and Grid Computing (PDGC). IEEE, 2018.
3. Second National Seabuckthorn Association Conference in 2018.
4. Fifth International Conference on Parallel, Distributed and Grid Computing at JUIT in 2018.
5. Fourth International Conference on Image Information Processing at JUIT in 2017.
6. International Conference on Recent Advances and Research Innovations in Engineering and Technology at A.P. Goyal Shimla University in 2017.
7. National conference on Changing Trends, Future Challenges and Innovation in Sciences and Technology in the year 2017, at A.P. Goyal Shimla University.
8. Fourth International Conference on Parallel, Distributed and Grid Computing at JUIT in 2016.

REVIEWER WORK FOR TECHNICAL JOURNALS:

1. Reviewer for Springer SCI Journal - Digital Communications and Networks, since 2022.

2. Reviewer for SCOPUS indexed Conference Proceeding Journal – Materials Today Proceedings since 2021.

INVITED TALKS/LECTURES:

Invited as a Resource person at Himachal Pradesh Institute of Public Administration in 2017 and 2018.

TEACHING:

Computer programming
Digital circuits and logic design
Computer networks
Python programming
Operating systems

WORKSHOPS AND TRAININGS:

1. Two weeks training programme on **Recent advances in next generation sequencing data analysis**, organized at Centre for Agricultural Bioinformatics, ICAR- IASRI New Delhi in January 2016.
2. Five days ATAL academy online elementary FDP on **Current Trends and Future Prospects in Data Science** organized at Central University of Rajasthan in January 2022.
3. Five days ATAL academy online elementary FDP on **Computational Mathematics using Computer Algebra Systems with Applications in Machine Learning** organized at Institute of Chemical Engineering in February 2022.
4. Five days STC on **Cyber security and forensic** organized by NIT Jalandhar in March 2021.
5. Five days STC on **Recent advances in data science and computational intelligence** organized by NIT Jalandhar in April 2021.
6. One day National workshop on **Innovation and Intellectual Property Rights** organized by NIT Jalandhar in July 2020.
7. Two days National workshop on **Interview Skills** at NIT Jalandhar, in June 2020.
8. One day state level workshop over **Virtual Labs** at Jaypee University of Information Technology.
9. Two days **Intellectual and Property Rights workshop** at Jaypee University of Information Technology.
10. One week AICTE recognised Short Term Course on **Microcontroller Based Embedded System Through ICT**.
11. Faculty Development Program on Spoken Tutorial based Software Training for **Python, LaTex, Drupal, JOOMLA, PostgreSQL and LibreOffice Calc** in 2019.
12. Faculty Development Program on Spoken Tutorial based Software Training for **Scilab** in 2017.

Resume

Name: Prince Sharma

Address: s/o Sh. Suresh Sharma, Vill.-Jar, P.O.- Karohta, Teh.-Bhoranj,

Distt.- Hamirpur, Himachal Pradesh, India

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Website: https://sites.google.com/view/princesharma01/home

SCOPUS ID : 57210109765

List of SCI/Scopus indexed publications:

- "An era of mobile data offloading opportunities: A comprehensive survey" accepted for publication in the Springer journal of Mobile Networks and Applications in 2022. (Indexed in SCIE, WoS, and SCOPUS)
- Prince Sharma, Shailendra Shukla and Amol Vasudeva. "Data offloading via Optimal Target Set Selection in Opportunistic Networks" Mobile Networks and Applications, 2021. (Indexed in SCIE, SCOPUS, DOI: 10.1007/s11036-021-01760-2)
- Prince Sharma, Shailendra Shukla and Amol Vasudeva. "Trust-based Opportunistic Network Offloaders for Smart Agriculture" International Journal of Agricultural and Environmental Information Systems, 2021. (Indexed in ESCI, SCOPUS, DOI: 10.4018/IJAEIS.20210101.oa3)
- Prince Sharma, "Energy Efficient Target Set Selection and Buffer Management for D2D Mobile Data Offloading" International Journal of Data and Network Science, 2020. (Indexed in SCOPUS, DOI: 10.5267/j.ijdns.2020.12.002)
- Prince Sharma, Shailendra Shukla and Amol Vasudeva. "Trust-based Incentive for Mobile Offloaders in Opportunistic Networks" International conference on Smart Electronics and Communication 2020, IEEE, 2020. (Indexed in SCOPUS, DOI: 10.1109/icosec49089.2020.9215264)
- Binguitcha-Fare, Abdel-Aziz, and Prince Sharma. "Crops and weeds classification using Convolutional Neural Networks via optimization of transfer learning parameters." International Journal of Engineering and Advanced Technology (IJEAT) 8(5).2019. (Indexed in SCOPUS)
- Prince Sharma and Shailendra Shukla. "Optimal Target Set Selection via Opinion Dynamics." Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC). IEEE, 2018. (Indexed in SCOPUS, DOI: 10.1109/PDGC.2018.8745846)

Scholarships and Achievements:

- Qualified UGC – NET 2021 Computer Science and Applications.
- Reviewer for Springer SCI Journal - Digital Communications and Networks, since 2022, SCOPUS Indexed Conference Proceeding Journal – Materials Today Proceedings.
- Regular Ph.D. scholarship/Teaching Assistantship for pursuing Full Time Ph.D. at the Jaypee University of Information Technology for 13 months.
- Certifications of BASH, Blender, C, C++, Python, Latex, JOOMLA, PostgreSQL, LibreOffice Calc and Drupal from IIT Bombay Spoken Tutorial Project.
- IAENG member of International Association of Engineers since 2013.
- Received certificate of Merit for attaining 40th rank in the state board examination and the respective scholarship for distinction in Mathematics, Science and Sanskrit.

Educational Degrees:

- <u>Ph.D.</u> Computer Science and Engineering from Jaypee University of Information Technology, in 2021.
- <u>M.Tech.</u>: Computer Science with an aggregate percentage of 70.67, in 2012.
- <u>B.Tech.</u>: Computer Science and Engineering with an aggregate percentage of 65.45 in 2010.
- <u>Higher Secondary</u>: Medical with Mathematics as the additional subject in 2005.
- <u>Matriculation</u>: With an aggregate percentage of 85.85 along with the 40th rank in all over the state in 2003.

Professional Experience:

	Organisation	Position	Duration	Period
1	National Institute of Technology, Jalandhar, Punjab	Guest Faculty	6 months	August 2022 - Present
2	Chitkara University, Punjab	Assistant Professor	9 months	Nov. 2021 – August 2022
3	Chitkara University, Rajpura	SRF	1 month	Oct. 2021
4	National Institute of Technology, Jalandhar, Punjab	Guest Faculty	18 months	July 2019 - June 2021
5	Alakh Prakash Goyal Shimla University, Shimla, Himachal Pradesh	Assistant Professor	2 years 10 months	Sep. 2016 - July 2019
6	Career Point University, Hamirpur, Himachal Pradesh	Assistant Professor	1 year	Aug. 2013 - Aug. 2014
7	Shiva Institute of Engineering and Technology, Bilaspur	Assistant Professor	6 months	Jan. 2013 - July 2013

Experience in Research:

	Organisation	Position	Duration	Period
1	Jaypee University of Information Technology	Regular Ph.D. scholar	1 year 1 month	Aug. 2014 - Sep. 2015
2	Central Potato Research Institute	Young professional- II	10 months	Sep. 2015 - Aug. 2016

Workshops Organized:
1. IIT Bombay – Spoken Tutorial workshops on C and C++ programming in the year 2014, 2016, 2017, 2018 and 2019.
2. IIT Bombay – Spoken Tutorial workshops on Scilab in the year 2015 and 2016.
3. IIT Bombay – Spoken Tutorial workshops on PHP and MySQL in the year 2017 and 2018.
4. A two days workshop for Faculty Skill Development over 'Configuring real routers with ACL and NAT for securing a network' at Chitkara University in 2022.

Conferences Attended:
5. Second International Conference on Smart Electronics and Communication in 2020.
6. Second National Seabuckthorn Association Conference in 2018.
7. Fifth International Conference on Parallel, Distributed and Grid Computing at JUIT in 2018.
8. Fourth International Conference on Image Information Processing at JUIT in 2017.
9. International Conference on Recent Advances and Research Innovations in Engineering and Technology at AP Goyal Shimla University in 2017.
10. National conference on Changing Trends, Future Challenges and Innovation in Sciences and Technology in the year 2017, at AP Goyal Shimla University.
11. Fourth International Conference on Parallel, Distributed and Grid Computing at JUIT in 2016.

Workshops and Trainings Attended:

13. Two weeks training programme on **Recent advances in next generation sequencing data analysis**, organized at Centre for Agricultural Bioinformatics, ICAR- IASRI New Delhi in January 2016.
14. Five days ATAL academy online elementary FDP on **Current Trends and Future Prospects in Data Science** organized at Central University of Rajasthan in January 2022.
15. Five days ATAL academy online elementary FDP on **Computational Mathematics using Computer Algebra Systems with Applications in Machine Learning** organized at Institute of Chemical Engineering in February 2022.
16. Five days STC on **Cyber security and forensic** organized by NIT Jalandhar in March 2021.
17. Five days STC on **Recent advances in data science and computational intelligence** organized by NIT Jalandhar in April 2021.
18. One day National workshop on **Innovation and Intellectual Property Rights** organized by NIT Jalandhar in July 2020.
19. Two days National workshop on **Interview Skills** at NIT Jalandhar, in June 2020.
20. One day state level workshop over **Virtual Labs** at Jaypee University of Information Technology.
21. Two days **Intellectual and Property Rights workshop** at Jaypee University of Information Technology.
22. One week AICTE recognised Short Term Course on **Microcontroller Based Embedded System Through ICT**.
23. Faculty Development Program on Spoken Tutorial based Software Training for **Python, LaTex, Drupal, JOOMLA, PostgreSQL and LibreOffice Calc** in 2019.
24. Faculty Development Program on Spoken Tutorial based Software Training for **Scilab** in 2017.
25. Faculty Development Program on Spoken Tutorial based Software Training for **C and C++ in** 2014.

Webinars Attended:

26. Attended the webinar on **TRENDS IN PUBLISHING** organized by Springer Nature and INFILIBNET in June 2020.
27. Attended the webinar on **MICROFABRICATION TECHNOLOGY** organized by JIS college of engineering, West Bengal in 2020.
28. Participated in this webinar entitled '**NATIONAL EDUCATION POLICY 2020: MAKING EDUCATION RELEVANT**' held on 01st September, 2020 organized by Center for Continuing Education, Dr B R Ambedkar National Institute of Technology, Jalandhar.
29. Attended the webinar on **Machine Learning advances in Human Computer Interaction** organized by IIT Mandi, in July 2022.

Shimla   Prince Sharma