

Resume

BINEET KUMAR JOSHI

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UGC NET, GATE

OBJECTIVE: Any position that will facilitate the improvement of the lives of individuals or groups by utilizing my knowledge and research skills as well as my teaching experience.

Educational Qualifications

Program	University/Institute	Year	Division
Ph.D. (Information Technology)	DSB Campus, Kumaun University, Nainital	2023	-
M.Tech. (Computer Tech. & App.)	School of IT, UTD, RGPV, Bhopal	2008	First (University Silver Medal)
M.Sc. (Computer Science)	G.B. Pant University of Ag. & Tech. Pantnagar	2004	First
B.Sc.	Kumaun University, Nainital	2002	First
Intermediate	K.V. Ranikhet	1998	First
High School	K.V. Ranikhet	1996	First

Technical Skills

Language: C, C++, Python

Environment: Linux, Windows

Databases: MySQL, MongoDB

Software Tools: Git, Containers, Packet Tracer, Virtual Box, NMAP, Metasploit

Specialization: Cloud Computing (Certified IBM Trainer), Cyber Security, Computer Networks

Research Interests

- Cyber Security, Artificial Intelligence, Cloud Computing

Teaching Experience: 17.5 years

- Working as Associate Professor in Department of Computer Science & Engineering, ICFAI Tech School, ICFAI University, Dehradun, Uttarakhand
- Worked as Assistant Professor in Department of Computer Science & Engineering, Himalayan School of Science & Technology, Swami Rama Himalayan University, Dehradun, from May 2016 to June 2024.
- Worked as Assistant Professor in Department of Computer Science & Engineering, Faculty of Science and Technology, ICFAI University, Dehradun, Uttarakhand from Aug 2008 to May 2016.
- Worked as Lecturer in the Department of M.C.A., Kumaon Engineering College, Dwarahat, Uttarakhand from February 2005 to May 2006.
- Worked as Teaching Personnel in the Department of Maths, Stats & Computer Sciences, G.B.Pant University of Agriculture & technology, Pantnagar from September 2004 to January 2005.

Administrative Responsibilities

- Working as **Coordinator** of **NAAC Team (Criteria 2)** for Himalayan School of Science & Technology, Swami Rama Himalayan University, Dehradun.
- Served as member of **Academic Council**, from November 2020 to November 2022, Swami Rama Himalayan University, Dehradun.
- Worked as **HOD**, Department of Computer & Information Sciences from October 2018 to October 2021, Himalayan School of Science & Technology, Swami Rama Himalayan University, Dehradun.
- Member of **UGC Document Review Committee**, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun.
- Member of **Academic & Registration committee**, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun.
- Member of **Research committee**, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun.
- Worked as **Academic Coordinator**, Faculty of Science & Technology in ICFAI University, Dehradun from March 2013 to May 2016.

- Member of **Board of Studies** in Faculty of Science & Technology in ICFAI University, Dehradun.
- Member of **Admission committee** of Faculty of Science & Technology in ICFAI University, Dehradun.

Publication in International Journals/Letters/Book Chapter

1. **Bineet Kumar Joshi** & Mahesh Chandra Joshi. “Comparative study of dynamic threshold based distributed denial of services attack detection techniques in software defined network”, *Advances and Applications in Mathematical Sciences*, 22(5), pp. 1013-1023, 2023, ISSN 0974-6803.
2. **Bineet Joshi**, Bansidhar Joshi, Anupama Mishra, Varsha Arya, Avadhesh Kumar Gupta, Dragan Peraković. “A Comparative Study of Privacy-Preserving Homomorphic Encryption Techniques in Cloud Computing”, *International Journal of Cloud Applications and Computing (IJCAC)*, 12(1), pp. 1-11, 2022, DOI: 10.4018/IJCAC.309936.
3. Anupama Mishra, **Bineet Kumar Joshi** Varsha Arya, Avadhesh Kumar Gupta, Kwok Tai Chui. “Detection of Distributed Denial of Service (DDoS) Attacks Using Computational Intelligence and Majority Vote-Based Ensemble Approach”, *International Journal of Software Science and Computational Intelligence (IJSSCI)*, 14(1), pp. 1-10, 2022, DOI: 10.4018/IJSSCI.309707.
4. Bansidhar Joshi, **Bineet Kumar Joshi** & Kritika Rani. “DDoS Attack Mitigation using Random and Flow Based Scheme”, *Data, Engineering and Application*, Vol. 2, pp. 119-128, **Springer** Singapore, 2019, ISBN : 978-981-13-6350-4.
5. **Bineet Kumar Joshi** , Nitin Joshi & Mahesh Chandra Joshi, “Early Detection of Distributed Denial of Service Attack in Era of Software-Defined Network”, 2018, , **IEEE Xplore** , DOI : 10.1109/IC3.2018.8530546.
6. Bansidhar Joshi, **Bineet Kumar Joshi** & Kritika Rani, “Mitigating Data Segregation and Privacy Issues in Cloud Computing”, *Advances in Intelligent and Soft Computing* vol. 508, pp. 175-182, **Springer** Singapore, 2017, ISBN: 978-981-10-2749-9

7. **Bineet Kumar Joshi** & Bansidhar Joshi, “Security Threats and Their Mitigation in Infrastructure as a Service”, Perspectives in Science, vol. 8, pp.462-464, **Elsevier**, 2016. ISSN: 2213-0209.
8. **Bineet Kumar Joshi** & Bansidhar Joshi, “Analyzing Link Stability and Throughput in Ad Hoc Network for Ricean Channel by Varying Pause Time”, Advances in Intelligent and Soft Computing, vol. 2, pp. 351-356, **Springer** Singapore, 2016, ISBN: 978-981-10-0754-5.
9. Aman Sagar, **Bineet Kumar Joshi** & Nishant Mathur, “A Study of Distributed Denial of Service Attack in Cloud Computing (DDoS)”, HCTL Open Science and Technology Letters (STL), Edition on Cloud and Distributed Computing: Advances and Applications, Volume 2 , pp 1-7,2013,ISSN-2321-6980.
10. **Bineet Kumar Joshi** & Nischol Mishra, “Link Analysis of Mobile Nodes in Ad Hoc Network Using Ricean Fading Channel Model” " International Journal of Modeling and Optimization”, vol. 3, no. 1, pp. 84-86, 2013. ISSN- 2010-3697
11. Bansidhar Joshi, **Bineet Kumar Joshi**, A. Santhana Vijayan, “Securing Cloud Computing Environment Against DDoS Attacks” 2012, **IEEE Xplore** DOI : 10.1109/ICCCI.2012.6158817
12. **Bineet Kumar Joshi** & Bansidhar Joshi, “Performance Analysis of Mobile Nodes in Ad Hoc Network Using Different Wireless Communication Channel Models”, 2011, **IEEE Xplore** , DOI : 10.1109/ICECTECH.2011.5941962.

Contribution in International Conferences/Symposium

1. **Bineet Joshi**, Bansidhar Joshi and Sanjeev Kumar
 “A Deep Learning Approach for Real Time Gender Classification, Expression Recognition and Emoticon Generation”, **5th 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)**, 09-10 February 2024, Noida.
2. Bansidhar Joshi, **Bineet Kumar Joshi**
 “A Comprehensive Survey on Privacy Preserving Data Mining Techniques”, **International Conference on Cyber Security, Privacy and Networking**, September 28-30, 2023, Dubai (Virtual Mode).

3. **Bineet Kumar Joshi & M C Joshi**
 "Detection of Distributed Denial of Service Attack Using Software-Defined Network with Dynamic Entropy", **International Conference on Smart Systems and Advanced Computing (SysCom 2022)**, December 30-31, 2022, Macau, China (Virtual Mode).
4. **Bineet Kumar Joshi, Nitin Joshi & M C Joshi**
 "Early Detection Techniques of Distributed Denial of Service Attack Leveraging Software-Defined Network", **International Seminar on Advanced Computing Technologies (ACT2018)**, Invertis University, April 20-21, 2018, Bareilly, India
5. **Bineet Kumar Joshi, Arpit Goel & M C Joshi**
 "Homomorphic Encryption: Maintaining Data Privacy in Cloud", International Conference on Mathematics & Applications, April 26-28, 2017, University of Delhi, New Delhi, India
6. **Bineet Kumar Joshi & M C Joshi**
 "Role of Software Define Network in Mitigation of Flood Based Distributed Denial of Service attacks", International conference of International Academy of Physical Sciences (CONIAPS-XIX), October 17- 19, 2016, Nainital, India.
7. Bansidhar Joshi, **Bineet Kumar Joshi**, A. Santhana Vijayan
 "Securing Cloud Computing Environment against DDoS Attacks", International Conference on Computer Communication & Informatics, January 10-12, 2012, Coimbatore, India.
8. **Bineet Kumar Joshi & Bansidhar Joshi**
 "Performance Analysis of Mobile Nodes in Ad Hoc Network Using Different Wireless Communication Channel Models", International Conference on Electronic Computer technology, April 8-10, 2011, Kanyakumari, India.
9. **Bineet Kumar Joshi** and Dr. Rajeev Agrawal
 "Role of Probabilistic Modeling in Performance Analysis of Wireless Ad hoc Networks", International conference on Advance in Mathematics: Historical Development & Engineering Applications, December 19-22, 2007, Pantnagar, India.

Contribution in National Conferences/ Symposium/Seminar
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1. **Bineet Kumar Joshi & Dr. M C Joshi**

“Software Define Networks, Future of Networking”, **National conference on** Reaching the Unreached through Science and Technology, Kumaun University, Nainital, October 14-15, 2017.

2. **Bineet Kumar Joshi & Dr. M C Joshi**

“Mitigation of DDoS attack Using Flow Based Scheme”, **National conference on** History of Mathematical Sciences, SGGR (PG) College, Dehradun, October 05-07, 2017.

3. **Bineet Kumar Joshi & Dr. M C Joshi**

“Status of Data Privacy in Cloud Environment: A Survey”, **National conference on** Science & Technology for Indigenous Development in India, Gurukula Kangri University, Haridwar, November 20-22, 2016.

4. **Bineet Kumar Joshi & Dr. M C Joshi**

“Privacy of Data in Cloud: Myths vs. Reality”, 19th **Annual conference of Vijnana Parishad** of India on Recent Advances in Mathematics and Mathematical Sciences and their Applications, November 10- 12, 2016, Pauri, H.N.B. Garhwal University , India.

5. Laxman Singh Sayana & **Bineet Kumar Joshi**

"Security Issues in Internet of Things", **National conference on** Global Challenges-Role of Sciences & Technology in Imparting Their Solutions, TIT&S BHIWANI (**UGC Sponsored**) , April 23rd - 24th 2016.

6. **Bineet Kumar Joshi**, Bansidhar Joshi & Laxman Singh Sayana

"Comparison of Big Data Tools & Frameworks", **National conference on** Global Challenges-Role of Sciences & Technology in Imparting Their Solutions, TIT&S BHIWANI (**UGC Sponsored**), April 23rd - 24th 2016.

7. **Bineet Kumar Joshi & Bansidhar Joshi**

“Study of Virtualization Technologies” **National conference on** Science & Technology for Indigenous Development in India, Faculty of Engineering & Technology , Gurukula Kangri University, Haridwar, September 28-30, 2015.

8. Harjot Dhawan & **Bineet Kumar Joshi**

“A Road To Cloud Computing”, **National seminar on** Innovations and Application in Engineering and Applied Sciences (IAEAS-11) , Faculty of Engineering & Technology , Gurukula Kangri University, Haridwar, November 9-10, 2011.

9. Attended 57th annual **conference** of Indian Society of Agricultural Statistics, February, 05-07, 2004, G.B. Pant University of Ag. & Tech. Pantnagar, India.

Contribution in Workshop/STP/FDP

1. Attended **one week** FDP (online) on **NBA & NAAC: Strategic Preparation for Enhancing Quality of Education**, 27-31 May 2024, **NITTTR** Chandigarh
2. Participated & Completed successfully AICTE Training And Learning (**ATAL**) Academy Online FDP on **Cyber Security** from 26-30 May 2020 (online) at Jawaharlal Nehru University
3. Attended **FDP** on **Introduction to Cloud Computing**, April 30- May 05 2020, organized by **ICT Academy**.
4. **Organizer**, One day Workshop on Intellectual Property Right, 6th May, 2019, Swami Rama Himalayan University, Sponsored by UCOST, Uttarakhand.
5. **Resource Person**, UGC sponsored **Refresher Course in Computer Science**, December 13, 2018, **UGC- Human Resource Development Centre**, Kumaun University, Nainital.
6. Attended Three days Workshop on **Modern Pedagogical Training of Trainers & Teachers**, September 11-13, 2018, organized by **Danish Consortium of Academic Craftsmanship, Denmark** & Swami Rama Himalayan University, Dehradun
7. **Convener** of one day Workshop on **Virtualization Technology & Cloud Computing**, March 24, 2018, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun
8. Attended National Workshop on **Popularization of Remote Sensing Based Maps & Geospatial Information**, August 11, 2017, organized by **ISR & ISRS**.
9. **Convener** of two day Workshop on **Cloud Computing**, May 05-06, 2017, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun.
10. Delivered **Expert talk** on **Cloud Computing**, May 05-06, 2017, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun.
11. **Convener** of one day Awareness Workshop on **Cyber Security**, 22 April, 2017, Himalayan School of Engineering & Technology, Swami Rama Himalayan University, Dehradun.
12. Attended **one week** Short Term Course in **Recent Trends in Network security**, Dec 14-18, 2016, **IIT Roorkee**.
13. Attended **one week** Short Term Course in **Cloud Security and Challenges**, Feb 29- March 04, 2016, **NITTTR** Chandigarh.

14. **Convener** in Two day Workshop on **Latex- a Document Preparation System**, December 21-22, 2015, Faculty of science & Technology, ICFAI University, Dehradun
15. Attended **International Research workshop on Cloud Computing**, December, 22-23, 2015, School of Computer and System Science, **JNU, New Delhi**.
16. Attended **Faculty Development Program**, June 29- July 03, 2015, IFHE, Hyderabad.
17. Attended **Short Term Training Program** on Introduction to Design of Algorithms, May, 25-30, 2015, **IIT Kharagpur**.
18. Attended **workshop** on E-Governance, February, 4-5, 2015, Information Technology Department, **Uttarakhand Government**.
19. Attended **Faculty Development Program** on Innovative Teaching Methods in Management, 2014 Organized by ICFAI University, Dehradun, India.
20. Attended **workshop** on application of Statistical Tools in Research, October, 22-28, 2010, ICFAI University, Dehradun, India.

Books Published

1. A Comprehensive Study of Performance of MANET in Ricean Channel Model, An Analytical Approach, LAP Lambert Academic Publishing, 2013, ISBN 978-3-659-35719-0

Membership of Professional Bodies/Association

- **Computer Society of India**- Life member
- **Distributed Management Task Force** - Academic Alliance & Cloud Management working Group
- International Association of Computer Science and Information Technology (IACSIT).
- Universal Association of Computer and Electronics Engineers (UACEE)
- The Indian Science Congress Association, Haridwar Chapter.

Scholarship/ Awards

1. **UGC NET** in computer science, Dec 2013.
2. **State Eligibility Test (U-SET)** in computer science, July 2012.
3. **University Silver Medal** for M.Tech. Program in year 2008.
4. **GATE** scholarship during M.Tech. Program (2006-2008).
5. **Graduate Teaching Assistantship** during master degree (M.Sc.) program (2002-2004).

Personal Details

Date of Birth: 16 June 1980
Father's Name: Shri Ghanshyam Joshi
Mother's Name: Smt. Asha Joshi
Nationality: Indian
Language known: English, Hindi
Marital Status: Married

References

1. Dr. Manoj Kumar

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Deptt. of Maths, Stats & Computer Science
G.B.Pant University of Agriculture
& technology, Pantnagar
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