Sharda University

Plot No. 32, 34, Knowledge Park-III, GreaterNoida- 201306, UP

Faculty Profile Template

Brief Profile:

Dr. Gaurav Raj has done B. Tech in CSE from UPTU, M. Tech in SE from NIT, Allahabad & completed Ph.D in CSE from Punjab Technical University, Kapurthala. His areas of interest are Cloud Computing, Software Engineering, Web Services & Security. He has approx. 11+ years of Teaching Experience. His teaching interests include Software Engineering, Computer Graphics, Cloud Computing, Theory of Computation, Design and Analysis of Algorithms and C/C++.

Dr. Raj has published Patents(1 Application Published + 3 Application Under Process), Journals(5 SCOPUS, 13-Google Scholar), Conference papers (1-IET, 2-SSRN, 3-ACM, 8-Springer, 37-IEEE) in International Journal and Conferences. He has attended number of FDPs, Workshops, Seminars and Conferences. Dr. Raj has 323 citations with h-index 10 and i-10 index 10 by Google Scholar till date.

Dr. Raj is having 4+ Years of administrative experience in program coordination and act as project supervisor in Major/ Minor Projects. He has also having experience of guiding 12+ M. Tech Thesis

Dr. Raj has also serve as reviewer in several prestigious International Journals including Transactions on Services Computing. He has managed sessions and tracks in number of International Conferences in previous organizations.

Other Details

Name	Dr. Gaurav Raj
School Name	School of Engineering and Technology
Department Name	Computer Science and Engineering
Designation	Associate Professor
Official Email Id	gaurav.raj@sharda.ac.in
Experience	11.5 Years
Qualification	B. Tech. (CSE), M. Tech.(SE) , Ph.D. (CSE)
Rewards and Recognitions (if any)	
Research and Publications (if any)	Patent(1 Application Published + 3 Application Under Process), Journal(5 SCOPUS, 13-Google Scholar),Conference (1-IET, 2- SSRN, 3-ACM, 8-Springer, 37-IEEE)
Certifications (if any)	
Area of Interest	Cloud Computing, Software Engineering, Web Services & Security

1   Raj, Gaurav; Mahajan, Manish; Singh, Dheerendra;   Trust Decision Model and Trust Evaluation Model for Quality Web Service Identification in Web Service Lifecycle Using QSW Data Analysis International Journal of Web-Based Learning and Teaching Technologies (IJWLTT) 2020 JOURNAL SCOPUS

2   Sinha, Harshit; Raj, Gaurav; Choudhury, Tanupriya; Kumar, Praveen;   Effective E-Healthcare System: Cache Invalidation Mechanisms for Wireless Data Access in Mobile Cloud Computing   International Journal of Big Data and Analytics in Healthcare (IJBDAH)   2018   JOURNAL SCOPUS

3   Raj, Gaurav; Mahajan, Manish; Singh, Dheerendra;   Trusted Web Service Prediction using Performance Accuracy of Trust Decision Factor in QWS Dataset   Journal of Advanced Research in Dynamical and Control Systems   2018   JOURNAL SCOPUS

4   Raj, Gaurav; Kapoor, Chaitanya; Singh, Dheerendra;   Comparative Cloud Deployment and Service Orchestration Process Using Juju Charms   International   Journal   of   Engineering   & Technology 2013 JOURNAL SCOPUS

5   Sharma, Shabnam; Raj, Gaurav; Singh, Dheerendra;   Third Party Authentication Process in CBCCP for Services Management using MSBE and MCBS   International Journal of Engineering & Technology 2013   JOURNAL SCOPUS

6   Raj, Gaurav; Mahajan, Manish; Singh, Dheerendra; Singh, Anjali;   Imputing Missing Data Analysis in Web Service Quality Dataset for Improving QoS Prediction   Recent   Trends   in Programming languages   2019   JOURNAL

7   Raj, Gaurav; Sharma, Shabnam;   A   New   Approach   of   Multicasting   in   Cloud ComputingInternational Journal of Engineering Sciences & Research Technology   2013   JOURNAL

8   Kaur, Amanpreet; Raj, Gaurav; Singh, Dheerendra;   Multi Round Selective Encryption using AES Over Storage Cloud   Global Journal of Computer Science and Technology   2013   JOURNAL

9   Kaur, Amanpreet; Raj, Gaurav; Secure broker cloud computing paradigm using AES and selective AES algorithm   International Journal   2013   JOURNAL

10 Singh, Narjeet; Raj, Gaurav;   Security on BCCP through AES encryption technique   Special Issue of INTERNATIONAL journal of engineering science & advanced technology (22503676) Jul-Aug2012 JOURNAL

11 Raj, Gaurav; Kaur, Kamaljit;   Secure cloud communication for effective cost management system through msbe   arXiv preprint arXiv:1207.2706   2012   JOURNAL

12 Raj, Gaurav; Setia, Sonika;   Effective cost mechanism for cloudlet retransmission and prioritized VM scheduling mechanism over broker virtual machine communication framework arXiv preprint arXiv:1207.2708   2012   JOURNAL

13 Raj, Gaurav; Katoch, Munish;   Security Implementation through PCRE Signature over Cloud Network   Advanced Computing: an International Journal   2012   JOURNAL

14 Nitika, Ms; Shaveta, Ms; Raj, Mr Gaurav;   Comparative analysis of load balancing algorithms in cloud computing   International Journal of Advanced Research in Computer Engineering & Technology   2012   JOURNAL

15 Kesireddi, Ram Charan; Raj, Gaurav; Embedding, extracting and matching of fingerprint images using digital watermarking Proceedings of the 2015 International Conference on Advanced Research in Computer Science Engineering & Technology (ICARCSET 2015)   2015   ACM

16 Kaur, Kamaljit; Raj, Gaurav;   Comparative analysis of Black Hole attack over Cloud Network using AODV and DSDV   Proceedings of the Second International Conference on Computational Science, Engineering and Information Technology   2012   ACM

17 Raj, Gaurav; An efficient broker cloud management system   Proceedings of the International Conference on Advances in Computing and Artificial Intelligence   2011   ACM

18 Singh, Somya; Narayan, Neetu; Raj, Gaurav;   Survey on Data Processing and Scheduling in Hadoop, International Journal of Computer Applications   2015   Foundation   of   Computer Science

19 Jaiswal, Arunima; Raj, Gaurav; Singh, Dheerendra;   Security Testing of Web Applications: Issues and Challenges   International Journal of Computer Applications   2014   Foundation   of Computer Science

20 Morampudi, Naga Sri; Raj, Gaurav;   Evaluating strengths and weaknesses of agile scrum framework using knowledge management   International Journal of Computer Applications   2013   Foundation of Computer Science

21 Gaurav Raj, Ankit Nischal;   Efficient Resource Allocation in Resource Provisioning Policies Over Resource Cloud Communication Paradigm   International   Journal   on   Cloud   Computing: Services and Architecture   2012   http://airccse.org/journal/ijccsa/

22 Raj, Gaurav; Sharma, Siddhant; Choudhury, Tanupriya; Load Analysis In SDN For Distributed Topologies wireless networks   2019   IEEE

23 Sinha, Harshit; Raj, Gaurav;   Elastic Search in Cache Based Service Management For Healthcare Automation   2018 International   Conference   on   Advances   in   Computing   and Communication Engineering (ICACCE)   2018   IEEE

24 Gambhir, Abhi; Raj, Gaurav;   Analysis of Cache in Service Worker and Performance Scoring of Progressive Web Application   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

25 Gupta, Sarthak; Dahiya, Divyansh; Raj, Gaurav; Remote Health Monitoring System Using IoT 2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

26 Kaul, Pallavi; Agarwal, Hardik; Raj, Gaurav;   Effective Prediction in Amazon Web Service based Clustered Data using Artificial Neural Networks   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE) 2018   IEEE

27 Behl, Kashish; Raj, Gaurav;   Architectural Pattern of Progressive Web and Background Synchronization   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

28 Raj, Gaurav; Mahajan, Manish; Singh, Dheerendra;   Security Testing for Monitoring Web Service using Cloud 2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

29 Bhatnagar, Aditya; Sharma, Vishvabodh; Raj, Gaurav;   IoT based Car Pollution Detection Using AWS   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

30 Gupta, Kriti; Srivastava, Arjun Vaibhav; Raj, Gaurav;   K-mean Clustering in Web Service Quality Datasets Using AWS and RapidMiner   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

31 Sehrawat, Aakash; Raj, Gaurav;   Intelligent PC Games: Comparison of Neural Network Based AI against Pre-Scripted AI   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

32 Garg, Rahul; Malik, Arun; Raj, Gaurav;   A Comprehensive Analysis for Crime Prediction in Smart City Using R Programming 2018 8th International Conference on Cloud Computing, Data Science & Engineering (Confluence)   2018   IEEE

33 Pateriya, Pushpendra Kumar; Rai, Mritunjay; Mukherjee, Krishna Prasad; Raj, Gaurav;   A Lightweight Cryptographic Algorithm using Trigonometric Technique 2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

34 Agarwal, Shubham; Raj, Gaurav;   FRAME: Framework for Real Time Analysis of Malware   2018 8th International Conference on Cloud Computing, Data Science & Engineering (Confluence)   2018   IEEE

35 Sagar, Parth; Choudhury, Tanupriya; Raj, Gaurav; Gianey, Hemant Kumar;   Evaluation   of Diet for Stroke Patients through Soft Computing Algorithm 2018 International Conference on Advances in Computing and Communication Engineering (ICACCE) 2018   IEEE

36 Madaan, Abhishek; Raj, Gaurav;   Analysis of Quantum Cryptosystems Using Key Distribution and Attacking Strategies Over Security Protocols 2018 8th International Conference on Cloud Computing, Data Science & Engineering (Confluence) 2018   IEEE

37 Sharma, Pratham; Choudhury, Tanupriya; Sabitha, A Sai; Raj, Gaurav;   Smart   Sentimental Agent Analysis through Live Streaming Data 2018 International Conference on Communication, Computing and Internet of Things (IC3IoT)   2018   IEEE

38 Sehgal, Rohit Raj; Agarwal, Shubham; Raj, Gaurav;   Interactive Voice Response using Sentiment Analysis in Automatic Speech Recognition Systems   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

39 Bhulania, Paurush; Raj, Gaurav;   Analysis of Cryptographic Hash in Blockchain for Bitcoin Mining Process   2018 International Conference on Advances in Computing and Communication Engineering (ICACCE)   2018   IEEE

40 Kaur, Avneet; Raj, Gaurav; Yadav, Sachin; Choudhury, Tanupriya;   Performance Evaluation of AWS and IBM Cloud Platforms for Security Mechanism   2018   International   Conference   on Computational Techniques, Electronics and Mechanical Systems (CTEMS)   2018   IEEE

41 Singh, Ashwdeep; Verma, Vikas; Raj, Gaurav;   A novel approach for encoding and decoding of high storage capacity color QR code 2017 7th International Conference on Cloud Computing, Data Science & Engineering-Confluence   2017   IEEE

42 AjazMoharkan, Zaid; Choudhury, Tanupriya; Gupta, Subhash Chand; Raj, Gaurav;   Internet of Things and its applications in E-learning   2017 3rd International Conference on Computational Intelligence & Communication Technology (CICT)   2017   IEEE

43 Sehrawat, Aakash; Choudhury, T Anupriya; Raj, Gaurav;   Surveillance drone for disaster management and military security   2017 International Conference on Computing, Communication and Automation (ICCCA)   2017   IEEE

44 Mishra, Triveni; Raj, Gaurav;   QoS implementation in Web Services selection and ranking using data analysis 2017 7th International Conference on Cloud Computing, Data Science & Engineering-Confluence   2017   IEEE

45 Raj, Gaurav; Singh, Dheerendra; Mishra, Triveni;   QoWS Analysis for Web Service Selection Using WS Monitoring Tool 2017 3rd International Conference on Computational Intelligence and Networks (CINE)   2017   IEEE

46 Bhagtani, Anshul; Choudhury, Tanupriya; Raj, Gaurav; Sharma, Mukul; An efficient survey to detect Alzheimer disease using data mining techniques   2017 3rd International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT)   2017   IEEE

47 Rajappa, Shivnarayan; Raj, Gaurav;   Application and scope analysis of Augmented Reality in marketing using image processing technique 2016 6th International Conference-Cloud System and Big Data Engineering (Confluence)   2016   IEEE

48 Singh, Somya; Raj, Gaurav; Kaur, Gurneet;   Analysis of HDFS RPC and Hadoop with RDMA by evaluating write performance   2016 6th International Conference-Cloud System and Big Data Engineering (Confluence)   2016   IEEE

49 Sinha, Harshit; Bagga, Rahul; Raj, Gaurav;   An analysis of ICON aircraft log through sentiment analysis using SVM and Naive Bayes classification   2016 International Conference on Information Technology (InCITe)-The Next Generation IT Summit on the Theme-Internet of Things: Connect your Worlds   2016   IEEE

50 Bansal, Raghav; Raj, Gaurav; Choudhury, Tanupriya;   Blur image detection using Laplacian operator and Open-CV   2016 International Conference System Modeling & Advancement in Research Trends (SMART) 2016   IEEE

51 Sinha, Harshit; Raj, Gaurav; Choudhury, Tanupriya;   Computing an adaptive mVoIP Services through SDN networks   2016 International Conference System Modeling & Advancement in Research Trends (SMART) 2016   IEEE

52 Raj, Gaurav; Yadav, Komal; Jaiswal, Arunima;   Emphasis on testing assimilation using cloud computing for improvised agile SCRUM framework 2015 International Conference on Futuristic Trends on Computational Analysis and Knowledge Management (ABLAZE)   2015   IEEE

53 Raj, Gaurav; Kesireddi, Ram Charan; Gupta, Shruti;   Enhancement of security mechanism for confidential data using AES-128, 192 and 256bit encryption in cloud 2015   1st   International Conference on Next Generation Computing Technologies (NGCT)   2015   IEEE

54 Raj, Gaurav; Sarfaraz, Mohammed; Singh, Dheerendra; Survey on trust establishment in cloud computing 2014 5th International Conference-Confluence The Next Generation Information Technology Summit (Confluence)   2014   IEEE

55 Kumar, Parveen; Raj, Gaurav; Rai, Anjandeep Kaur;   A novel high adaptive fault tolerance model in real time cloud computing 2014 5th International Conference-Confluence The Next Generation Information Technology Summit (Confluence)   2014   IEEE

56 Raj, Gaurav; Singh, Dheerendra; Bansal, Abhay;   Analysis for security implementation in SDLC   2014 5th International Conference-Confluence The Next Generation Information Technology Summit (Confluence)   2014   IEEE

57 Pateriya, Pushpendra Kumar; Raj, Gaurav;   A pragmatic validation of stylometric techniques using BPA 2014 5th International Conference-Confluence The Next Generation Information Technology Summit (Confluence)   2014   IEEE

58 Raj, Gaurav; Singh, Navreet; Singh, Dheerendra;   Resource Provisioning Using Batch Mode Heuristic Priority with Round Robin Scheduling   Proc. of 4th International conference on the next generation technology   2013   IEEE

59 Raj, Gaurav; Singh, Dheerendra; Bansal, Abhay;   Using Batch Mode Heuristic Priority in Round Robin (PBRR) Scheduling   IEEE Conf. on The Next Generation Information Technology   2012   IEEE

60 Raj, Gaurav; Singh, Dheerendra; Bansal, Abhay;   Load   Balancing   for   Resource Provisioning Using Batch Mode Heuristic Priority in Round Robin (PBRR) Scheduling   2013   IET Digital Library

61 Roy, Arpan; Thakur, Lakshya; Vyas, Garima; Raj, Gaurav;   Towards   Improving   the Intelligibility of Dysarthric Speech   Soft Computing and Signal Processing 2019   Springer

62 Kamboj, Priyanka; Raj, Gaurav; Analysis of Role-Based Access Control in Software-Defined Networking Fifth International Conference on Soft Computing for Problem Solving   2015 Springer

63 Agrawal, Pankhuri; Choudhury, Tanupriya; Kumar, Praveen; Raj, Gaurav;   An   Extensive Review on Verbal-Guided Image Parsing   Smart Computing and Informatics   2018   Springer, Singapore

64 Mehta, Shivam; Raj, Gaurav; Singh, Dheerendra;   Penetration Testing as a Test Phase in Web Service Testing a Black Box Pen Testing Approach   Smart Computing and Informatics 2018 Springer, Singapore

65 Raj, Gaurav; Singh, Dheerendra; Madaan, Abhishek;   Analysis of Classical and Quantum Computing Based on Grover and Shor Algorithm   Smart Computing and Informatics   2018   Springer, Singapore

66 Raj, Gaurav; Singh, Dheerendra; Tyagi, Ishita;   Test Case Optimization and Prioritization of Web Service Using Bacteriologic Algorithm   Intelligent   Computing   and   Information   and Communication   2018   Springer, Singapore

67 Gupta, Reyhan; Raj, Gaurav; Choudhury, Tanupriya;   Statistical Analysis Using Data Mining: A District-Level Analysis of Malnutrition   Proceedings of the Second International Conference on Computational Intelligence and Informatics   2018   Springer, Singapore

68 Gupta, Ankita; Singh, Vikram; Raj, Gaurav;   Traversal-Based   Ordering   of   Arc-Node Topological Dataset of Sewer Network   Proceedings of the Second International Conference on Computational Intelligence and Informatics   2018   Springer, Singapore

69 Dua, Rishabh; Raj, Gaurav;   Quality Analysis for Web Services Recommendation Using Functional and Non-Functional Requirement Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT)   2018   SSRN

70 Sehgal, Rohit Raj; Raj, Gaurav; Interactive   Voice   Response   Using   Automatic   Speech Recognition Techniques for Call Centers   Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT)   2018   SSRN

71 Raj, G.; Mahajan, M.; Singh, D.; V&V Analysis of Composite Web Service using WS Simulator for Trust Management in WS Lifespan   International Journal of Computer Sciences and Engineering, E-ISSN: 2347-2693   2018   WWW.IJCSEONLINE.ORG

72 Kumar, Deepak; Raj, Gaurav; Sandhu, Dr Parvinder S;   A Hierarchical Clustering Approach for Modeling of Reusability of Object Oriented Software Components   ISEM-Planetary   Scientific Research Center Bangkok July   2011