

Resume

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Educational Qualification

- **Ph.D (Engineering)** NMIMS University, Mumbai
- **M.E. (Computer Science & Engg.)** , Walchand College of Engg ,Sangli.
(**First Class**)
- **B.E. (Computer Science & Engg.)** ,College of Engg, Badnera (**First Class**).

Professional Membership: ISTE Life member (LM 40575)

PhD Students under Mumbai University: 6

M.E / M.Tech. Project Guided: 20

Teaching Experience (21 Years)

- Working as a **Professor and Head, Dept. of Computer Engineering**, D.J.Sanghvi College of Engineering from Sept -2012 to Till Date.
- Worked a **Asst. Professor** with D.J.Sanghvi College of Engg from June 2007 to 04-June 2013
- Worked as a lecturer with D.J.Sanghvi College of Engg. from Sept 2004-June 2007
- Worked as a lecturer with Lokmanya Tilak College of Engg from June 1997-Aug 2004
- Worked as lecturer with Fr. Agnel College of Engg. From Feb 1996- June 1997

Industries Experience (8 Month)

- Worked as Customer Executive with MGA Pvt Ltd. From June 1995 –Feb 1996

Subject taught: Cyber Security, Cyber Security and Law, Ethical Hacking and Digital Forensics, System Security, Network Design and Management, Data Mining, Computer Network, Operating System, Data Structure.

Additional Responsibility

- Appointed as a **Board of Study Member, Computer Engg.** by Vice Chancellor of Mumbai University.
- Appointed as a **Result Moderation Committee Member, Computer /IT Engg.** by Vice Chancellor of MU.
- Appointed as a **Dept. Advisory Board (DAB) Computer Engg Dept., Fr. CRCE, Bandra (W).**
- Appointed as a **Expert for Dept. Audit (Computer Engineering)** , Fr. CRCE, Bandra (W).
- Appointed as a **Local Enquiry Committee Member** for PhD Research Centre /UG/PG courses, University of Mumbai.
- Appointed as a **Panel member for conducting Interview for Ph.D. in Engineering** , NMIMS University.
- Appointed as a **Dept. Advisory Board (DAB) Information Technology** , K.J. Somaiya , Institute of Technology , Sion.
- Organized AICT-ISTE approved one week STTP on “ Insights of Machine Learning & Deep Learning “ from 2 July 2018 to 6 July 2018.
- Invited as a Session Chair at IEEE International Conference (**ICAC3-17**), Organized by Fr. Agnel College of Engg. , Mumbai.
- Invited as a Session Chair at IEEE International Conference (**ICEECCoT-17**), Organized by GISSSIETW, Mysore.
- Appointed as a review committee member IEEE International Conference ICEECCoT-17, ICAC3-17, ICCICT-2018.
- Appointed on **Advisory Committee** on ISTE approved STTP on topics “Ethical Hacking And IT Security” , VIVA Institute of Technology.
- Invited as a Session Chair at 3rd IEEE International Conference (**ICCUBEA-2017**), Organized by PCCoE, Pune.

- **Invited as a speaker** to deliver talk on topic “Security issues in smart cities” at ISTE approved STTP organized by Universal College of Engineering, Kaman, Vasai(E) on 21st June 2017.
- Appointed as a **session chair for cPGCON2017** to evaluate PG projects by Pune University, 25 March 2017.
- **Invited as a Judge** of the National Level Technical Paper Presentation Competition , AVALON-2017.
- Appointed as a Paper Review committee member at 3rd Springer International Conference (**IWiCOM-2017**), Organized by DJSCE, Mumbai.
- Appointed as a Paper Review committee member at IEEE International Conference (**ICAC3**), Organized by Fr. Conceicao Rodrigues College of Engineering, Mumbai.
- Appointed as a Paper Review committee member at 3rd IEEE International Conference (**ICCUBEA-2017**), Organized by PCCoE, Pune.
- Appointed as a Paper Review committee member at 1st International Conference (**ICSCET-2017**), Organized by Universal College of Engineering, Vasai, Mumbai.
- Appointed as a Paper Review committee member at International Conference (**RACEM-2016**), Organized by Vidyalkar Institute of Technology , Mumbai.
- **Appointed as a Journal Paper Review Committee member** of DBJSE Journal, Don Boaco Institute of Technology, Mumbai.
- Appointed as PG project review committee members, May 2017.
- **Deliver talk** on topics “cyber security” at VIVA Institute of Technology , Mumbai.
- **Invited as a Session Chair** for 8th International Conference & Workshop ‘ **MULTICON- W-2017**’, organized TCET, Mumbai.
- Invited by University of Mumbai to conduct orientation program for First Year Engineering subject “ Structured Programming Approach “ at VIT, Mumbai.
- Organized orientation program on “ Structure Programming Approach ” at D. J. Sanghvi College of Engineering.
- Appointed as a **Judge for final round of Avishkar** “ 2016-17 organized by University of Mumbai.
- Organized one day orientation program in association with University of Mumbai on “**Cloud Computing Lab**” B.E (Sem VIII) at DJSCE

- Taken initiative to organized STTP on “**Practical Insights to Cloud Computing**” at DJSCE
- Taken initiative to organized State Level Project Competition “**DJ ASCII**” at DJSCE
- Received **Grant 40000=00** from Mumbai University for research Proposal “A Clustering based approach for increased network lifetime for wireless sensor networks”
- Appointed as a **Judge for “ Avishkar “** 2015-16 organized by University of Mumbai.
- Appointed as **Session Chair at ICCT 2015** , Organized by EXTC , DJSCE.
- Conducted expert lecture on Network Security at Tasgaonkar College, Karjat.
- Delivered an expert lecture on Network Design and Management at Tasgaonkar College of Engg.
- Delivered an expert lecture on High Speed Network at SNTD, Mumbai.
- Appointed as a **session chair for cPGCON2016** to evaluate PG projects by Pune University, 15th and 16th March 2016
- Invited as a **chief judge** for technical paper presentation by CSI-SSJCOE students’ chapter at S.S. Jondhale COE, 22nd March 2016
- Taken initiative to start **consultancy work** in Computer Engineering Department..
- **Guided 3 M.Tech.** student of MPSTME, NMIMS University.
- **Guided 12 Student of M.E (Computer) , D.J.Sanghvi College of Engineering, Mumbai University.**
- **Appointed as examiner for M.E (Project Dissertation) at Pune University**
- Taught various subject at the **IIS program** run in collaboration with Kingston University, UK.,
- Working as a **sport Chairman** at D. J.Sanghvi since 2010.
- Appointed as a **Software/Hardware in charge** of F.E/S.E admission in year 2013.
- Worked as **Hardware in charge** for F.E/S.E admission from 2009-2012.
- Working as a **ACM Convener** since Year 2012
- Worked as a **ACM coordinator** in year 2011.
- Worked as a **Project Coordinator** Year 2010-2011.
- Worked as a **F.E. Coordinator (CP-I/CP-II)**
- Worked as a **Co-Convener in STTP Organized** by computer dept.

- **Organized orientation program** for M.E teacher in Cyber Security.
- **Conduct Workshop** for NMIMS Law Student.
- **Deliver talk** at STTP organized by K.J.Somaiya College of Engg., Sion.
- **Deliver talk** at STTP organized by G.H. Rasoni college of Engineering, Pune.
- **Organized 2 days workshop for staffs and students** on Ethical Hacking , Anroid OS, Computer Forensics, Network Design, Cloud Computing, Network Security, PC Assembling, Higher Education opporchinuties, Web Engineering,NS2.
- **Deliver and Organized seminars for students** on DSF/DSA ,Adv. Java, Basic of C/C++ for Interview preparation
- Successfully conducted System security Track during syllabus revision meeting of Mumbai University organized by DJSCOE Comp. Dept.
- Successfully conduct one Technical Track during NCICT 2006.

Paper Published at International Conferences (38 Papers)

- Published a paper on title “Enhancements in Key Scheduling of AES Algorithm “ IEEE International Conference on Electronics, Computer , Communication, Mechanical and Computing (EECCMC-2018) , Vellore , Tamil Nadu , January 28-29, 2018.
- Published a paper on title “ Analysis of Cross Domain Sentiment Techniques“ IEEE International Conference on Electrical ,Electronics, Communication, Computer Technology and Optimization Techniques (ICEECCOT-2017) , Mysuru,, December 15-16, 2017.
- Published a paper on title “ A Survey of Privacy Preserving Data Integration “, IEEE International Conference on Electrical ,Electronics, Communication, Computer Technology and Optimization Techniques (ICEECCOT-2017) , Mysuru,, December 15-16, 2017.
- Published a paper on title “ Security approach on MQTT based Smart Home “ IEEE International Conference on Power, Controls, Signals & Instrumenation Engineering (ICPCSI-2017) , Chennai,. September 21-22, 2017
- Published a paper on title “ Model to analyze social media data to gain a competitive edge” 3rd IEEE International Conference on Computing , Communication, Control and Automation (ICCUBEA-2017) , August 17-18, 2017.
- Published a paper on title “ Application for selecting dynamic optimum path parameter in routine network using school bus routing problem “” 3rd IEEE International Conference on Computing , Communication, Control and Automation (ICCUBEA-2017) , August 17-18, 2017.
- Published a paper on title “Cued Click Authentication “ 14 IEEE International Conference on Wireless and Optical Communication Networks (WOCN 2017) ,24-25 February , 2017, Mumbai.

- Published a paper on title “ A Novel K-Means L-Layer Algorithm for Uneven Clustering in WSN” in **IEEE International Conference** on Computer, Control, and Signal Processing (ICCCSP), SSN College of Engg., Kalavakkam, Chennai, 10th -11th January 2017.
- Published a paper on title “ A Solution to detect Phishing in Android Devices.” **Springer International Conference** on Information Systems Security (ICISS-2016), NIT Jaipur, December 2016.
- Published paper on title “ A rule Based Intrusion Detection System to Identify Vindictive Web Spider”, **IEEE International Conference** (CAST-2016), College of Engineering, Pune, December 19-21, 2016.
- Published a paper on title “3D Socio Graphical CAPTCHA Based on reCAPTCHA Against Spammers and Bots” , **IEEE International Conference** on Advances in Electronics , Communication and Computer Technology (ICAECCT-2016) ,RSCE, Pune , 2 and 3 , December 2016.
- Published a paper on title “ Trustworthiness Evaluation System in E-commerce Context “ , 2nd **IEEE International Conference** on Computing, Communication, Control and Automation (ICCUBEA2016), PCCOE, Pune, 12th and 13th August, 2016.
- Published a paper on title “ Intelligent Tutoring System for learning English Punctuation “, 2nd **IEEE International Conference** on Computing, Communication, Control and Automation (ICCUBEA2016), PCCOE, Pune, 12th and 13th August, 2016.
- Published a paper on title “ A polyglot Persistence Approach for E-Commerce Business Model”, **IEEE International Conference** on Information Science (ICIS- 2016), College of Engineering Cherthala, Kerala, August, 2016.
- Published a paper on title “ Cloud Computing Security in Multi-clouds using Shamir Secret Sharing Scheme”, **IEEE International Conference** on Electrical ,Electronics and optimization Technique (ICEEOT) DMJ COE, Chennai, Tamil Nadu, 3 to 5th March 2016.
- Published a paper on title “Security Protocol for Wireless Sensor Network to prevent Node cloning Attack”, **IEEE sponsored 3rd International Conference** on Electronics and Communication Systems at Karpagam COE, Coimbatore, India , 25th and 26th Feb 2016
- Published a paper on title “Prevention of Session Hijacking Attack using Enhanced Session Binding Techniques”, **IEEE sponsored 3rd International Conference** on Electronics and Communication Systems at Karpagam COE, Coimbatore, India , 25th and 26th Feb 2016
- Published a paper on title “Security Against Sybil Attack in Social Network”, 5th **IEEE International Conference** on Information, Communication and Embedded Systems (ICICES 2016), India , 25th and 26th Feb 2016
- Published a paper on title “A novel approach to improve network life time in WSN by energy efficient package optimization”, **IEEE International Conference** on Engineering

and Technology organized by Rathinam Technical Campus, Coimbatore, Tamilnadu, 17th and 18th March 2016

“ Above paper has received a Best Paper award in the conference.”

- Published a paper on title “Remote password authentication scheme for distributed system using smart card”, **IEEE International Conference** on Engineering and Technology organized by Rathinam Technical Campus, Coimbatore, Tamilnadu, 17th and 18th March 2016.
- Published a paper on title “ Metamorphics Virus Detection Using Uniform Characteristics”, International Conference on Recent Trends in Computer and Electronics Engineering. , Organized by SAKP ,Mumbai, January 23rd 2016.
- Published a paper on title “At a glance of Sybil detection in OSN”, **1st IEEE International Symposium on Nanoelectronic and Information System (IEEE-iNIS)** Organized by **IEEE-iNIS** , December 23rd 2015
- Published a paper on title “ Performance Evaluation of OLSR Protocol in MANET under The Influence of Routing Attack ” in **IEEE Conference** Organized by SIT, Lonavala.
- Published a paper on title “ Insider Threats Detection Using Log Analysis and Event Correlation “in **ICACTA 2015 (ELSEVIER)** Conference Organized by DJSCE, Mumbai.
- Published a paper on title “ Twitteri Identification System “ in **ICACTA 2015 (ELSEVIER)** Conference Organized by DJSCE, Mumbai.
- Published a paper on title “ An Enhance Authentication Mechanism to Secure Re-programming in WSN ” in **ICACTA 2015 (ELSEVIER)** Conference Organized by DJSCE, Mumbai.
- Published a paper on title “ Implementation of Pattern matching Algorithm to Defend SQLIA ” in **ICACTA 2015 (ELSEVIER)** Conference Organized by DJSCE, Mumbai.
- Published a paper on title “ Implementation of Fuzzy Keyword Search Over Encrypted Data in Cloud Computing ” in **ICACTA 2015 (ELSEVIER)** Conference Organized by DJSCE, Mumbai.
- Published a paper on title “ Conservation of Energy in Wireless Sensor Node through Prevention of Denial of Sleep Attack ” in **ICACTA 2015 (ELSEVIER)** Conference Organized by DJSCE, Mumbai.
- Published a paper on title ““Analysis and Prevention of various DoS attack on P2P”,International Conference ICETS 2014, Tamilnadu , India
- Published and presented a paper on “A survey : Anomaly Intrusion Detection System” International Conference – ICETTA – 2014, Mumbai,India
- Analysis of various attacks and prevention of DOS attack in P2PSIP”, International Conference – ICETS 2014 Muthayammal College of Engg, Tamil Nadu.
- Published a paper on title ““Lightweight authentication protocol used in wireless sensor network”, **IEEE CSCTTA 2014, Mumbai, Published in IEEE explorer digital library.**

- Published and presented paper on “ Anomaly detection in VoIP system using Neural Network and Fuzzy Logic “, CIIT 2011, **Published in Springer digital library**, volume 250 , part 2, pp 537-542.
- Published and presented paper on “ Security SIP using trusted third party system”, International Conference on Machine Learning (ICMLC- 2011), 26-28 Feb-11, Singapore, pp. 396-399.
- Published paper on title “Threats analysis in VoIP system”, 3rd International Conference on Computer and Electrical Engineering, (ICCEE-2010), Volume No. 6, PP 496-501, China.
- Published paper on topic “A virtual keyboard using shadow analysis” at 3rd International Conference on Emerging trends in Engineering and Technology, 2010, pp. 163-165 (**Online Available: IEEE computer science digital library**)
- Published and presented paper on topic “A Novel approach to avoid billing attack”, at International Conference, organized by WASET, 26-28, Feb. 2010, Malaysia, pp. 993-997.

Journal Publication (17)

- Published a paper on “Bluetooth Based File Encryption System using Modified Key Exchange Algorithm”, IJIACS, Vol-5, Issue-1, January-2016, ISSN 2347-8616.
- Published a paper on “Security for Android Mobile Phones using Biometric Authentication against Factory Reset”, IJSR, Vol-4, Issue-12, December-2015, ISSN 2319-7064.
- Published a paper on “Metamorphic Virus Detection using Uniform Characteristic”, ICRTCEE, January-2016.
- Published paper on title “ A Framework for Cyberbullying Detection in Social Network “ , IJCET (ISSN : 2277-4106) , Vol 5, No.1, Feb. 2015.
- Published paper on title “ Detection and Mitigation of Grayhole Attack in WSN using Trust Mechanism “ IJSR, Vol. 4, Issue 1, April. 2015.
- Published paper on title “ VILEER: Detection of Drive by Download attack on Malicious Web Pages” , IJSR, Vol.4, Issue 4, April 2015.
- Published paper on title “End to End Encryption Architecture for Voice over Internet protocol”, International Journal of Computer Application (IJCA), ISBN 0975-8887
- Published paper on title “Security for Anroid Mobile Phone using Biometric Authentication against Factory Reset” IJSR, Vol . No. 4 , Issue 12 , December 2015, ISSN: 2319-7064.
- Published paper on title “Data Mining techniques for Real Time Intrusion Detection Systems”, IJSER, ISSN 2229 – 5518

- Published paper on title “Design of Secured Server Administration”, ISSN 2229-662, March 2011
- Published paper on title “Detection and Prevention Mechanism on Call Hijacking in VOIP System”, IJCA, Volume 90, Issue 6, ISBN : 973-93-80880-76-7.
- Published paper on title “Analysis of various attacks and prevention of DOS attack in P2PSIP” IJRSET , ISSN : 2319 -8753
- Published paper on title “Study of DSR and AODV under Sinkhole Attack and its Proposed Prevention Technique “ IJERA, Volume 4, Issue 3, ISSN: 2248-9622 .
- Published paper on title “A Novel Authentication method in Wireless Sensor Method”, IJERA, Volume 5, Issue 3, ISSN: 2248-9622
- Published paper on title “Identification and Defense Mechanisms for XSS attack “ , IJERT, Vol.3 , Issue 1, ISSN:2778-0161.
- Published paper on title “Brisk and Secure Ad-Hoc Vehicular Communication “ IJRET, Volume 03, Issue 03, eISSN: 2319-1163.
- Published paper on title “The countering the XdoS attack for securing the web services” International Journal of Computer Science

Paper Published at National Conferences (7)

- Presented paper on topic “Wireless Network Security” at National Conference, NCICT-06, Mumbai.
- Presented paper on topic “Motion Detection System” at National Conference, NCICT-06, Mumbai.
- Presented paper on topic “Face recognition using eigen face and fisher face technique” at National Conference JNEC, Aurangabad, 2006.
- Presented paper on topic “Analysis of denial of service attack” at National Conference PCCE, verna, goa, 2006.
- Presented paper on topic “Steganography and Cryptography” at National Conference, NCICT-07, Mumbai.
- Published and presented paper on title “Availability threats analysis in VoIP system”, NCCT-2011, DJSCE, Mumbai.
- Published and presented paper on title “An Ideal approach to prevent attack on Ad hoc Network”, NCCT-2011, DJSCE, Mumbai.

Date :

(Dr. Narendra M. Shekokar)