

Resume

SHALU

PERSONAL INFORMATION

Father's Name: - Sh. Shree Ram
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ershalu2003@gmail.com
Date of Birth: - 27/09/1978

CAREER OBJECTIVE

To work with a reputed organization committed to stay on the leading edge of technology, generation and give my level best services there by making an organization proud of me.

WORK EXPERIENCE

- ✓ Working as assistant professor in Maharaja Surajmal Institute of Technology, New Delhi from July 2007 till date.
- ✓ Worked as lecturer in Bhagwan Mahavir Institute of Engineering & Technology, Sonapat from Aug 2004 to July 2007.
- ✓ Worked as lecturer in Dronacharya College of Engineering, Gurgaon from Sep 2003 to Aug 2004.

ACHIEVEMENTS

- ✓ Qualified GATE in March 2007.

EDUCATION QUALIFICATIONS

- ✓ **Ph. D.** from DCRUST, Murthal, Sonapat, Haryana in 2021.
- ✓ **M.Tech** in Information Technology from University School of Information Technology in Guru Gobind Singh Inderprastha University, Dwarka, New Delhi in 2011 with 74.26 CPI.
- ✓ **B.E** in Computer Science & Engineering from Vaish College of Engineering, Rohtak affiliated from Maharishi Dayanand University, Rohtak in 2003 with 72%.
- ✓ **Diploma** in Computer Science & Engineering from Vaish Technical Institute, Rohtak affiliated from State Board of Technical Education, Haryana in 2000 with 77%.
- ✓ **12th** from Govt. College for Woman, Rohtak affiliated from Haryana Board of School Education in 1996 with 63%.
- ✓ **10th** from Vaish Girls high School, Rohtak affiliated from Haryana Board of School Education in 1994 with 81.5%.

PATENTS PUBLISHED

Published a Patent titled “IOT based Speaker Recognition System” application no. 202211003534 A and publication date 21-01-2022.

PAPERS PUBLISHED

- ✓ Published a Paper titled “Diabetes prediction using feature engineering and machine learning algorithms with security” in Journal of Statistics & Management System, vol. 27 (2024), no. 2, pp. 273-284, March 2024. Link: <https://www.tarupublications.com/doi/10.47974/JSMS-1253>.
- ✓ Published a Paper titled “Energy Efficient Mobile Application for Solar Energy using Machine Learning” in 1st International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU), Bhubaneswar, India, Ist- 2nd March, 2024, pp. 1-5, doi: 10.1109/IC-CGU58078.2024.10530728.
- ✓ Presented a Paper titled “Automatic Text Summerization using Recent BERT Architectures” 12th International Virtual Conference on Interdisciplinary Research for Sustainable Development, organized by I2OR India & Green Thinkerz Society, India in association with Centre for Smart Modern Constuction, Western Sydney University, Australia, Jamia Hamdard New Delhi, Sustainable Cosmos and The Intelligent Indian on 25th December 2023.
- ✓ Published a Paper titled “An Intelligent Lane and Obstacle Detection using YOLO algorithm” in International Journal of intelligent Systems and Applications in Engineering, vol. 12, no. 3s, pp. 641–648, Nov. 2023. (Link: <https://ijisae.org/index.php/IJISAE/article/view/3742>)
- ✓ Presented a Paper titled “A Study on Pragmatic Approach to Smart Crop Storage System ” International Conference on Research Innovations and Challenges (ICRIC 23) at National Foundation for Entrepreneurship Development, Coimbatore, Tamil Nadu on 19-21 Jan 2023.
- ✓ Presented a Paper titled “Facial Automated Teller Machine using Neural Network” 3rd International Conference on ICT for Digital, Smart and Sustainable Development (ICICSSD 22) at Jamia Hamdard, New Delhi on 24-25 March 2022.
- ✓ Presented a Paper titled “Natural Language based Naive Bayes Classifier Model for Sentence Classification” in 5th International Conference on Innovative Computing and Communication (ICICC-2022) at Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi on 19-20 February, 2022.
- ✓ Presented a paper titled “Spatial and Temporal Variability of Soil and Climate of Haryana using Geographic Information System” in 5th International Conference on Mathematical Techniques in Engineering Applications (ICMTEA2021) at Graphical Era Deemed University, Dehradun, Uttarakhand, India on 3-4 December, 2021.
- ✓ Published a Paper titled “A Swarm Intelligence Based Coverage Hole Healing approach for Wireless Sensor Networks” in “EAI Transactions on Applications of Artificial Intelligence and Machine Learning -2019” in 2020.
- ✓ Published a Paper titled “Wireless Sensor Network Coverage Hole Localization by ACO Optimized GMM Clustering” in “Journal of Computational and Theoretical Nanoscience” in 2020.

- ✓ Presented a Paper titled “Realization of Wireless Sensor Network through Real Time Test bed” in 10th INDIACom-2016 international conference on “Computing for Sustainable Global Development”, IEEE Conference ID: 37465 on 16th-18th March, 2016 at BVICAM, New Delhi.
- ✓ Paper titled “Co-ordinate based Void Detection and Recovery in WSN” in CSI-2015, 50th Golden Jobilee Annual Convention on “Digital Life” at BVICAM, New Delhi on 2nd-5th Dec., 2015.
- ✓ Paper on “Surveys on Security Threats and Issues in Wireless Sensor Network” on 9th March, 2013 at MSI.
- ✓ Paper on “Dynamic Data Mining using Fuzzy Logic” on 22nd -23rd October, 2011 at Agarwal College, Merta City, Nagour, Rajasthan.
- ✓ Paper on “Clustering Relational Data using Neural Network” at “International Conference on Business Intelligence- An Alignment of IT & Management” on 9th April, 2011 at IMT, Faridabad.

FACULTY DEVELOPMENT COURSE ATTENDED

- ✓ Attended one week NITTR AICTE recognized FDP on “Digital Tools for Teaching and Learning”, organized by MSIT during 11th March to 15th March 2024.
- ✓ Attended one week FDP on “Recent Trends in Artificial Intelligence” organized by BHUPAL NOBLESUNIVERSITY, UDAIPUR with PANTECH E LEARNING during 20th January to 27th January 2024.
- ✓ Attended one week FDP on “Internet of Things”, organized by department of ECE in association with Brain Mentors Pvt. Ltd. MSIT during 15th to 19th January 2024.
- ✓ Attended one week FDP on “Recent Advancements in Machine Learning & Artificial Intelligence”, organized by department of information technology, MSIT during 6th February to 10th February 2023.
- ✓ Attended one week ATAL Online Elementary FDP on “Internet of Things (IoT)- A Practical Approach” organized by MSIT during 6th December to 10th December, 2021.
- ✓ Participated in One week FDP on “IOT Training” organized by MSIT during 4th January to 9th January 2021.
- ✓ Participated in One week FDP on “Data analysis using Python” organized by MSIT during 12th October to 16th October 2020.
- ✓ Participated in One week ISTE and GGSIPU Sponsored FDP on “Emerging Trends in Information Technology” organized by MSIT during 29th February to 4th March 2016.
- ✓ Participated in FDP on “Loophole and Ethical hacking” conducted by Kyrion Digital Securities (P) Ltd. at MSIT on 28th to 29th Sep. 2012.
- ✓ Participated in FDP on “Recent Trends in Mobile & Web Technology” on 10th Mar 2012.
- ✓ Participated in FDP on “Human Values and Professional Ethics “ on 4th Feb.2012. at MSIT
- ✓ Participated in FDP on “Mobile Communication upcoming Technologies” on 22nd May. 2010.

WORKSHOPS /CONFERENCES/ SEMINARS

- ✓ Participated in Online training/webinar on “ IEEE Xplore” organized by MSIT, Delhi on 24th May, 2024.
- ✓ Participated in two days national conference on “Emerging Trends in Big Data, IOT & Cyber Security” at MSI, Delhi on 13th March, to 14th March 2020.
- ✓ Participated in two days AICTE Sponsored National Seminar “Advances in Speech Technology: A step towards Intelligent Human Computer Interaction” at MSIT, Delhi on 27th November to 28th November, 2017.
- ✓ Participated in two days workshop on “Workshop on Implementation of Big Data and Hadoop” at MSIT, Delhi on 31st Oct., to 1st Nov. 2014.
- ✓ Participated in one week TEQIP sponsored national workshop on “Realizing Wireless Sensor Networks using Simulator and Testbed” at DCRUST, Murthal, Sonapat, Haryana on 3rd March, 2014 to 7th March 2014.
- ✓ Participated in two days workshop on “Workshop on Implementation of Sensor Networks using NS2” at MSIT, Delhi on 25th to 26th April. 2014.
- ✓ Participated in two days workshop on “Cloud Computing and its Components” at MSIT, Delhi on 30th to 31st Oct. 2013.
- ✓ Participated in two days workshop on “ANDROID Technology & Mobile Application” at MSIT, Delhi on 11th to 12th Sep. 2012.
- ✓ Attended complimentary seminar on “MATLAB & Simulink for Engineering Education” on 18th Aug. 2011.
- ✓ Attended a workshop on “Data Mining Research Issue, Recent Trends” at IGIT, Kashmere Gate, Delhi on 4th to 5th Mar. 2011.
- ✓ Attended seminar on “Emerging Trends in Technical Education” at MSIT, Delhi on 8th May 2010.
- ✓ Attended Training cum Workshop on “Software Testing” at PDM, Bahadurgarh on 30th Mar., 2010.
- ✓ Attended seminar on “Emerging Trends & Advances in Wireless Communication” at MSIT, Delhi on 6th Feb. 2010.
- ✓ Attended workshop on “Intelligent Systems “ at HCE, Sonapat on 2nd to 6th July, 2007.
- ✓ Attended workshop on “Information Technology for Teachers” at MDU, Rohtak on 7th Jan., 2006.

SHORT TERM COURSE

- ✓ Successfully completed 21 days Masterclass on “Python Programming” organized by Pantech e Learning Pvt. Ltd. during 25th October to 14th November 2023.
- ✓ Successfully completed 8 weeks NPTEL online certification of Swayam for the course Data Mining during Jan –March 2024.
- ✓ Successfully completed 8 weeks NPTEL online certification of Swayam for the course Design Technology and Innovation during Jan –March 2023.
- ✓ Successfully completed 2 weeks industrial training program on “Deep Learning” organized by III-cell and Department of CSE in association with Brain Mentor Pvt. Ltd. At MSIT during 21st November to 3rd December 2022.
- ✓ Completed 50 days Online Crash Course on Embedded System and Robotics, conducted as a part of MOOC through the e-Yantra Resource Development Center (eYRDC) on 12th July, 2022 from IIT, Bombay.
- ✓ Attended 22 week course on “Foundation of Data Science “, from ONE FOURTH LABS 3rd December, 2021.

- ✓ Attended AICTE recognized STC titled as “Wireless Network” by NITTR, Chandigarh at Maharaja Surajmal Institute of Technology from 22nd May-26th May 2017.
- ✓ Attended STC on “Web Hacking and security” at NITTTR from 28th May 2012 to 1st June 2012.
- ✓ Attended STC on “Basics and Applications of MATLAB” at DCRUST from 22nd Feb. 2010 to 26th Feb.2010.

ACTIVITES

- ✓ Organized workshop on Implementation of Sensor Networks using NS2” at MSIT, Delhi.
- ✓ Acted as a member of Time table committee for three years.
- ✓ Acting member of AICTE committee.
- ✓ Active participation in various Cultural Programme & Fest at College level.

INDUSTRIAL EXPOSURE

- ✓ Six Month Training in AVL India Pvt Ltd, Gurgaon.
- ✓ Eight Weeks Training at S.S.I., Rohtak.
- ✓ Six Weeks Training at S.T.G, Rohtak .

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