

Bio-data

NEELAM JOSHI

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OBJECTIVE

To progress in the organization through dedication, hard work, and delivering the best of my capabilities and to prove myself in your organization.

ACADEMICS

- Ph.D. (Pursuing) in Computer Science Engineering.
- M. Tech in Software Engineering from Rajasthan Technical University, Kota 2013.
- B. E. in Computer Science Engineering from Rajiv Gandhi Technical University, Bhopal in 2007.
- Polytechnic Diploma in Information Technology from Rajiv Gandhi Technical University, Bhopal in 2004.

WORK EXPERIENCE: 17+ Years

- Working with Fr. Conceicao Rodrigues Institute of Technology Vashi, Navi Mumbai as an Assistant Professor in the Computer Engineering Department from 10/07/2024.
- Worked with Sinhgad Institute of Technology Lonavala, Pune as an Assistant Professor in the Computer Engineering Department from 28/07/2022 to 30/06/2024.
- Worked with Institute of Technology and Management, Gwalior (M.P.) as an Assistant Professor in Computer Science Department from 03/08/2018 to 15/07/2022.
- Worked with Maharana Pratap College of Technology, Gwalior (M.P.) as an Assistant Professor in Computer Science Department from 27/08/2007 to 02/08/2018.

SUBJECTS OF INTEREST

Computer Networks, Data Structure, Operating System, ADA, Software Engineering.

RESEARCH PUBLICATIONS IN INTERNATIONAL JOURNALS: (15+ Papers)

- International Journal of Advanced Research in Science, Communication and Technology, “Live Yoga Pose Classification using Image Processing and Machine Learning”, Volume 3, Issue -1, May 2023.
- International Journal of Research Publication and Reviews, “Automatic Bird Recognition using Signal Processing and Neural Networks”, Volume 4, Issue -5, May 2023.
- International Journal of Advanced Research in Science, Communication and Technology, “Anomaly Detection in Credit Card Transaction and Analysis using Microsoft Power BI”, Volume 3, Issue -7, May 2023.
- International Journal of Computer Science and Programming Languages, “Chrome Extension for Detection and Prevention of Phishing Websites and Related Attacks by Using Machine Learning and Deep Learning”, Volume 8, Issue -2, May 2022.
- BSSS Journal of Computer, “Machine Learning Applications in Medical Diagnosis: A Review”, Volume 8, Issue -1, 2022.

- International Journal of Scientific Research in Computer Science Engineering and Information Technology, “Machine Learning – Learning Techniques, CNN, Languages and APIs”, Volume 6, Issue -3, May – June 2020.
- International Journal of Scientific Research in Computer Science Engineering and Information Technology, “Smart and Secure Home using IoT Simulations with Cisco Packet Tracer”, Volume 6, Issue -3, May – June 2020.
- International Journal for Scientific Research and Development “Black hole and Gray hole detection or prevention by using table driven voting approach in MANET”, Volume 3 Issue 11, January 2016.
- International Journal for Scientific Research and Development “Cluster Head and RREQ based Detection and Prevention of Gray hole and Denial of Service Attack in WSN”, Volume 3 issue 10, December 2015.
- International Journal of Scientific and Engineering Research “A Robust Technique for Secure Routing against Blackhole Attack in AODV Protocol for MANETs”, Volume-4, Issue-6, June 2013.
- International Journal of Computer Application “An Efficient Algorithm for Detection of Blackhole Attack in AODV based MANETs”, Volume-66, Number-18, March 2013.

RESEARCH PUBLICATIONS IN INTERNATIONAL CONFERENCES:(10+ Papers)

- “Transfer Learning-Based Framework for Classification of Malignant Brain Tumor Using Brain MRI Datasets”, in “International Conference on Intelligent Systems: Approaches, Technologies, and Network -2023”, 04- 05th December 2023 at Panipat Institute of Engineering and Technology, Panipat, Haryana, India.
- “Machine Learning Applications in Medical Diagnosis” in “International Conference on Technological Developments in Computer Applications (VICTDCA-2021)”, at Bhopal School of Social Sciences, in association with IEEEEMP Sub-Section, held on 24-25 MARCH, 2021.
- “IoT Based Smart and Secure Home Design Utilizing CISCO Packet Tracer 7.2 Simulator” in “2nd IEEE International Conference on Data, Engineering, and Applications 2020 (IDEA-2020)”, 28- 29th February 2020 at SoIT, RGPV, Bhopal (MP), #IEEE Conference Record No. 49133.
- “A Survey on Efficient Routing protocols for MANETs” in “IEEE ICACTEA-2011”, 24- 26th Feb.2011 at Poornima College of Engineering, Jaipur (Raj.)
- “A Survey on Detection and Identification of wormhole attack in MANETs” in “IEEE CICN-2011”, 7-9th Oct 2011 at MIR Labs, Gwalior (M.P.)
- “Security threats in reactive routing protocols for MANETs” in “ICSFA-2011”, 8-10th, Dec 2011 at RJIT, Gwalior (M.P.).

BOOKS/ BOOK CHAPTER

- **Book Chapter** on Smart and Ecofriendly Intelligent House Based on IoT and Simulation Using a Cisco Networking Simulator – Apple Academic Press (Taylor and Francis Group (2023) (**9781003372042**))
- **Six** books have been written on various subjects of Computer Science.

EDITOR / REVIEWER

- Editor in Edited Book “Futuristic Trends in Artificial Intelligence” IIP International Publisher, USA & India, IIPV3EBS09_G24”.
- Reviewer in IEEE International Conference EAST -2023 Organized by RV Institute of Technology and Management, Bangalore, 20-21 October 2023.
- Reviewer in IEEE International Conference ICIICS-2023 Organized by Sharnbasva University, Kalaburagi, 24-25 November 2023.
- Reviewer in Springer International Conference ANTIC-2023 Organized by Banaras Hindu University, Varanasi, 20-22 December 2023.

- Reviewer in Springer ICMLA-2024 Organized by Chitkara University, Himachal Pradesh, 23-24 February 2024.

NPTEL-SWAYAM CERTIFICATIONS

- **Computer Networks** with a consolidated score of 89% (July- Oct 2019, 12 Week Course)
- **Computer Network and Internet Protocol (January – June 2021)**

PATENT PUBLICATION

- **A MACHINE LEARNING APPROACH FOR IOT DEVICE IDENTIFICATION BASED ON NETWORK TRAFFIC ANALYSIS AND METHOD THEREOF**
- **METHODOLOGY INTEGRATED WITH MACHINE LEARNING ALGORITHMS TO PREDICT THE SOIL QUALITY AND CROP YIELD AS PER THE SOIL FERTILITY**

FDP, TTP and FOP:

- One-week online FDP on “Artificial Intelligence” under Tech Saksham Program conducted by “Department of Computer Engineering, SIT Lonavala” from 01/02/2023 to 03/02/2023
- One-week online FDP on “Emerging Research Trends in Computer Science” Conducted by “Department of CS, Amity University, Madhya Pradesh” from 27/07/2022 to 02/08/2022
- One-week online ATAL FDP on “Artificial Intelligence” sponsored by AICTE, conducted by “Model Engineering College” from 22/02/2021 to 26/02/2021
- One-week online ATAL FDP on “Applied Computing” sponsored by AICTE, conducted by “MITS, Gwalior” from 28/06/2021 to 02/07/2021.

HONOURS, AWARDS AND ACHIEVEMENTS

- **Got a Laptop from the Chief Minister of Rajasthan fund** when topped the university in Master of Technology (Software Engineering branch).
- **GATE Qualified** in 2012 with a GATE Score of 320.