

# Curriculum Vitae

**Dr. JAGANNATH EAKNATH NALAVADE**

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## PROFILE:

- Presently working as Associate Professor at Department of Computer Science Engineering, MITADT SOE, Pune.
- Member- LMCSI, IAENG, IFERP
- Total teaching experience: 15.5 years
- A dedicated research scholar in the area of Data Mining, Machine Learning.
- A highly motivated individual and always endeavoring to learn and upgrade the skills.
- Ability to work with limited resources to get optimum solution.
- Has been a teacher in area of Artificial Intelligence, Database Management Systems, Data Mining, Digital Electronics and Logic Design.
- A consistent performer throughout with high academic score.
- Have attended various training workshops and acquired technical skills related to areas of specialization.
- Sincere, Dedicated and Hardworking Individual.
- Serving as reviewer for Scopus, SCI indexed Journals and International Conferences
- Organizing Committee member and Technical committee member for many International Conferences
- Member-Syllabus Revision Committee, University of Mumbai

## AREAS OF EXPERTISE:

- Data Mining
- Machine Learning
- Database Management Systems
- Artificial Intelligence

## EDUCATIONAL QUALIFICATION:

- Ph.D. in Computer Engineering from Vel Tech Rangrajan Dr. SR R&D Institute of Science and Technology, Chennai(January-2019)
- M. E. (Computer Engg.) (SIT, Lonavala) (CGPA – 6.98)
- B. E. (Computer Science & Engg.) (BVCOE, Kolhapur) (68.93%)
- Diploma (Computer Engg.) (BVIOT, Palus) (70.15%)
- S.S.C. (M.S.Board, Kolhapur Division) (67.76%)

## PATENT:

- Granted Patent on An Adaptive Controller-Based Flexible Home Theatre Integrated With Smart TV & Air Purification System (June 2022)
- Published Patent on System and Method For Wastewater Treatment (Oct. 2021)

- Published Patent on Defined Cyber Crime Rate Prediction using Deep Learning and AI based algorithm (April. 2022)

**BOOK:**

- Published Book on “Machine Learning Approaches in Cyber Security”, Nmaya Press Delhi, ISBN: 978-93-5545-113-2, 2022.

**CERTIFICATIONS:**

- Successfully completed and certified the program “IBM Certified Database Associate DB2 9 Fundamentals” on Sep.2009
- Successfully completed and certified the program “IBM Certified Associate Developer Rational Application Developer for Web Sphere Software V6.0” on August 2010
- Successfully completed COURSERA course on “Machine Learning Foundations: A Case Study Approach”
- Successfully completed COURSERA course on “Machine Learning: Classification”
- Successfully completed COURSERA course on “Machine Learning: Regression”
- Successfully completed edX course on “Introduction to Data Science”
- Successfully completed edX course on “Python in Data Science”
- Successfully completed Udemy course on “Blockchain and Bitcoin Fundamentals”

**Research Details:**

- Successfully completed research project sanctioned by SPPU Pune under Research Grants Scheme for the Year 2016-18

**PUBLICATIONS: (22)**

**Journals: (16)**

1. Jagannath E. Nalavade, T. Senthil Murugan, “HRFuzzy: Holoentropy-enabled Rough Fuzzy classifier to classification of evolving data streams”, International Journal of Knowledge-based and Intelligent Engineering Systems, Vol. 20, pp205-215, 2016. (Scopus)
2. Jagannath E. Nalavade, T. Senthil Murugan. THRFuzzy: Tangential holoentropy-enabled Rough Fuzzy classifier to classification of evolving data streams [J]. Journal of Central South University, 24:1789-1800, 2017. (Scopus) Springer
3. Jagannath E. Nalavade, T. Senthil Murugan, “HRNeuro-fuzzy: Adapting neuro-fuzzy classifier for recurring concept drift of evolving data streams using rough set theory and holoentropy”, Journal of King Saud University – Computer and Information Sciences Vol. 30, pp498-509, (2018). <http://dx.doi.org/10.1016/j.jksuci.2016.11.005> (Scopus) Elsevier
4. Jagannath E. Nalavade, T. Senthil Murugan, “Challenges in Data Stream Classification”, International Journal Of Current Engineering And Scientific Research (IJCESR), Vol. 2 No10, pp27-35, 2015.
5. Jagannath Nalavade, Chetan Nashte, “Differentiation of Malignant and Benign Breast Lesions Using Machine Learning Algorithms”, In JMEST, Vol.No. 4, Issue 5, May 2017.

6. J.E.Nalavade, Saras Jarkhad, “ Approach for Big Data Mining in Hadoop”, International Journal of Innovative Research in Science, Engineering and Technology, E-Issn 2319 – 8753, P-Issn 2347 – 6710 Vol.No.6, Issue 1 Jan 2017.
7. J.E.Nalavade, Saras Jarkhad, “ New Approach for Parallel Data Partitioning and Frequent Itemset Mining using Hadoop”, International Journal of Innovative Research in Computer and Communication Engineering, E-Issn 2320 – 9801, P-Issn 2320 – 9798 Vol.No.5, Issue 12 June 2016.
8. A Kumar, J.E.Nalavade, V Yeola, V Vivek, Y Shrivastava, ”An Adaptive learning system based on Ant colony algorithm”, International Journal of Soft Computing Engg.(IJSCE), Vol. no. 3(2), 2013.
9. J Nalavade, M gavali, N Gohil, S Jamale, ”Impelling Heart Attack Prediction System using Data Mining and Artificial Neural Network ”, International Journal of Current Engineering and Technology, Vol. no. 4(3), 2014.
10. K.R.Gavhane, R.S.Chennaram and J.E.Nalavade, “Identity Crime Detection: A Review”, International Journal of Current Engineering and Technology, Vol.4, No.2 (April 2014).
11. AS Ghorpade, YB Sumbe, JE Nalavade, “ Identity Crime Detection for Multiple Applications”, International Journal of Current Engineering and Technology, Vol.4, No.3 (June 2014).
12. J.E.Nalavade, S. Goel, Neelam, “AWS and Big Data Source to detect the Data Leaks using SQL and AI System”, Journal of Harbin Institute of Technology, Vol. 54, No.4, 2022.
13. Ruchi Gupta, Jagannath E. Nalavade, “Metaheuristic Assisted Hybrid Classifier for Bitcoin Price Prediction”, Cybernetics and Systems, 2022. DOI:10.1080/01969722.2022.2129376.
14. Akshata A. Patil, Dr. J.E. Nalavade, “Reversible Data hiding in Encrypted Images using Deep Neural Network and GAN Model”, International Journal of Advance Research in Science and Engineering, Vol.11, No.7 (July 2022)
15. Vijayalaxmi Deshmukh, Dr. J.E.Nalavade, “Enhancing Semantic Similarity of Concepts in Knowledge Graphs”, Journal of Emerging Technologies and Innovative Research, Vol.09, No.11 (Nov 2022)
16. Dr. J.E. Nalavade , N.A. Auti, Dr. K. Singh, “Bitcoin Price Predictor using Blockchain and AI-Based Programming”, NEUROQUANTOLOGY, Vol.20, No.5 (Nov 2022)

#### **Conferences: (06)**

1. J. Nalavade, “Data Stream Classification” In International Research Symposium on Management, Technology and Engineering Sciences, April-2012
2. J. Nalavade, “Data Stream Classification using Streaming Random forest algorithm” In Computer Engineering-PG Conference, April-2012.
3. J. E. Nalavade, "Digital Screening Tool to Detect Covid-19 Infected People," 2021 International Conference on Computer Communication and Informatics (ICCCI), 2021, pp. 1-4, doi: 10.1109/ICCCI50826.2021.9457003.
4. J. E. Nalavade, Tejashree Dabade, “Descriptive Answer Evaluation System using Natural Language Processing”, National Conference on “Emerging Trends in Electric-Mobility & Sustainable Development: Opportunities & Challenges” (NCETEMSD2K22).
5. Rutuja Patil, Dr. J.E. Nalavade, “Driver Drowsiness Detection System Using Deep Neural Network”, in International Conference on Machine Learning and Data Science Innovations (MacDat’22) (September 2022).

**TRAINING PROGRAM:**

- Participated in a one-day workshop on “Effective Teaching and Learning Practices” on 26<sup>th</sup> Sep.2008
- Participated in the workshop on “Global ICT standardization forum for India” from 19th to 21st March 2009.
- Participated in the One Week Short Term Training Program on “Advanced ARM & Embedded Linux” from 15th to 19th June 2009.
- Participated in One Week Short Term Training Program on “Rational Application Developer” from 8th to 14th May 2010.
- Participated in One Week Short Term Training Program on “.NET Framework” from 22nd to 27th November 2010.
- Participated in the National Level Workshop on “Problem & Project Based Learning” from 7th to 9th March 2011.
- Participated in the Mission 10X workshop from 22nd to 26th November 2011.
- Participated in One Week Short Term Training Program on “Latex” from 13th to 17th February 2012.
- Participated in the two days ISTE Workshop on “Writing Effective Conference Papers” conducted by IIT, Bombay on 18th and 19th February 2012.
- Participated in “The Teachers Advancement Program – Level 1 & 2” from 28th to 30th October 2013.
- Participated in the PhD Consortium-16 on 9th July 2016.
- Participated in the two days workshop sponsored by SPPU on “Data Mining using Statistica” from 23rd to 24th September 2016.
- Participated in the two days State Level workshop on “Machine Learning” from 5th to 6th January 2017.
- Participated in the two days workshop sponsored by SPPU on “IOT: Transformation in Engineering Education for Digital India” from 17th to 18th January 2019.
- Participated in the one week FDP sponsored by MHRD and Shivaji University, Kolhapur under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching scheme on “Data Science” from 25th to 31st March 2019.
- Successfully completed IUCEE INTERNATIONAL ENGINEERING EDUCATOR CERTIFICATION PROGRAM SPRING 2022 (December 2021 to June 2022) conducted by IUCEE FOUNDATION and International Society for Engineering Education, Austria(IGIP).
- Successfully completed One month (Sep 20, 2022 to Oct 20, 2022) Faculty Induction/Orientation Program organized by SOER, Pune and Ramanujan College, University of Delhi.

**PROFESSIONAL EXPERIENCE: (Total- 15 Years)**

- MITADT School of Engineering, Pune(Joined on 4<sup>th</sup> August 2022)
- Rajarambapu Institute of Technology, Sakharale(Sangli) (An Autonomous Institute) (Oct. 2021 to July 2022)
- Pillai HOC College of Engineering and Technology, Rasayani (Raigad) (9th May 2019 to 16th October 2021)
- Sinhgad Institute of Technology, Lonavala, Pune. (11th July 2008 to 8th May 2019.)
- Bharati Vidyapeeth Institute of Technology, Navi Mumbai (10th July 2007 to 5th July 2008)

**Personal Details:**

Father's name : Eaknath Dadu Nalavade  
Date of birth : 20th January, 1983  
Gender : Male  
Languages Known : English, Marathi, Hindi  
Correspondence Address : Flat no 302, Shivchaitanya Apt, Lokmanya Colony, Kothrud,  
Pune-411038

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge.

**Date:** 12/01/2023

**Place:** Pune



(Dr. Jagannath Eaknath Nalavade)