

Dr. Vishal Shirsath

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Rambaag Colony, Kothrud, Pune 411038 (MH), India

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Personal Profile

I am highly organized and dedicated with having excellent teaching and technical skills, always ready for develop new skills and willing to learn. An innovative and knowledgeable professional having 02+ years' experience as an Assistant Professor & 5+ Years Research & Industrial experience in Opinion mining, Sentiment Analysis, NLP, Machine learning, Social Media Data Analysis and image processing using Python, R and Matlab.

Carrier Objective

Seeking a career to share my knowledge and experience where I can employ all my teaching and technical skills for the benefit of the institute and students.



Education

Doctor of Philosophy (Ph.D.) in Computer Science

Department of Computer Science and IT
Dr. Babasaheb Ambedkar Marathwada University
Aurangabad, Maharashtra

Awarded, August (2020)

M.Phil. in Computer Science

Department of Computer Science and IT
Dr. Babasaheb Ambedkar Marathwada University
Aurangabad, Maharashtra

Awarded, September(2014)
(With 6.39 CGPA)

M. Sc in Information Technology

Department of Computer Science and IT
Dr. Babasaheb Ambedkar Marathwada University
Aurangabad, Maharashtra

Graduated, July 2010
(with 7.17 CGPA)

B. Sc in Physics, Chemistry, Mathematics

Shri. Asaramji Bhandwaladar College
Dr. Babasaheb Ambedkar Marathwada University
Aurangabad, Maharashtra

Graduated, December 2007

Work Experience

1. **Assistant Professor** in School of Engineering, Ajeenkya DY Patil University, Pune (01st September 2022 to Till Date)
2. **Ph. D Supervisor**, Ajeenkya DY Patil University from 01st September 2022 to Till Date (Currently 03 Students are Working)
3. **Assistant Professor** – 06/10/2021 to 05/02/2022 (05 Month)
Deogiri Institute of Technology and Management Studies, Aurangabad.
4. **Data Scientist** - 04/2021 to 08/2021 (05 Month)
NDS Infoserv, Mumbai, Andheri (W)
5. **Junior and Senior Research Fellow – (April 2012 to March 2017)**
Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Academic Activities

1. **Session Co-Chair** IEEE, International Conference on Integration of Computational Intelligent Systems (ICICIS-2023). (1-4 November 2023)
2. **Session Coordinator** in 3rd International Conference on Intelligent Systems, Cognitive Science and Knowledge Engineering Organized by Dr. B. A. M. University, Aurangabad. (15th to 30th April 2023)
3. Conducted Training Program (Value Added Course) as a **Coordinator** on “AWS Cloud Practitioner Certification” for B. Tech Students, Adypu, Pune. (24th May to 31st May 2023)
4. Conducted Training Program (Value Added Course) as a **Coordinator** on “Microsoft Power Bi” for Final Year Students, Adypu, Pune. (13th March to 04th April 2023)
5. Conducted workshop as **Coordinator** on “Blockchain Technology” for B. Tech CSE Students dated on 12 October 2023)
6. Worked in **NAAC Criteria 1** As **Coordinator** in School of Computer Engineering, ADYPU.
7. **Coordinator** of “Google Development Students Club (GDSC)”, School of Engineering, Adypu, Pune
8. **“Resource Person”** in One day Workshop on “Computational Statistics using R-Programming” Organized by VSS College, Jalna on Dated 30 August 2023
9. **“External Examiner”** for M. Phil Viva Voce Examination, Department of Computer Science & IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (15th September 2023)
10. **Conducted Industrial Expert Talk on** “Industrial Opportunities, Process and their working culture” for B. Tech CSE Students. (November 2023)
11. Organized **Industrial Visit at** Tech Mahindra, Hinjewadi Phase Pune for B. Tech Students. (15th September 2022)
12. **“External Examiner” for** Practical Examination of M. SC Computer Science & B. SC Project Stage - I Organized by Department of Computer Science, Vishwakarma University, Pune.
13. **Research Paper Reviewer** in 3rd International Conference on Intelligent Systems, Cognitive Science and Knowledge Engineering, Dr. B. A. M. University, Aurangabad. (15th to 30th April 2023)
14. Participated in **“Doctoral Supervision Process”** Conducted by Prof Anne Boddington and Dr. Jeffrey Priest, Held on 30th to 31st January 2023.

15. **Question Paper Setter** of MIT, WPU, Pune (13th April 2023)
16. **Question Paper Setter** of Vivekanand College, Kolhapur (10th December 2022)
17. Worked in **Technical Committee** in “Anvenshan 2022” Held on 11th and 12th 2023 and #Tech 2023 Event Held on 25th to 5th February 2023, Adypu.
18. Worked in **Innovative Practices Committees** of School of Engineering (Internal), Adypu
19. Worked as an **Session Coordinator** in Youth Festival 2023 (Y20) Organized by, Adypu

Research Areas

Data Mining, Artificial Intelligence, Text Mining, Big Data Analytics, Sentiment Analysis and Opinion Mining, Social Web Mining, Biomedical Image Processing.

Career Highlights

Award and Honors (1)

- “Special Appreciation” Award 2022-23 for the outstanding Service and Performance by School of Engineering, Ajeenkya DY Patil University.
- First prize in University Level Avishkar 2019-20 Competition
- National Fellowship for M. Phil & Ph.D. under University Grant Commission (UGC), Government of India

Publications (International Journals) (05)

1. Vishal S. Shirsat , Rajkumar S. Jagdale, Sachin N. Deshmukh, “Sentence Level Sentiment Identification and Calculation from News Articles Using Machine Learning Techniques”, Proceeding of Computing, Communication and Signal Processing 2018 , Advances in Intelligent Systems and Computing, 810, 2018 , DOI 10.1007/978-981-13-1513-8 Springer Singapore (ISBN: 978-981-13-1513-8) **(Scopus Indexed and UGC Approved)**
2. Vishal Shirsat, Rajkumar S. Jagdale, Kanchan V. Shende, Sachin N. Deshmukh, “Sentence Level Sentiment Anaysis from News Articles and Blogs using Machine Learning Techniques”, International Journal of Computer Science and Engineering, 2019 **(Scopus & UGC Approved Journal)**
3. Jagdale R.S., Shirsat V.S., Deshmukh S.N. (2019) Sentiment Analysis on Product Reviews Using Machine Learning Techniques. In: Mallick P., Balas V., Bhoi A., Zobaa A. (eds) Cognitive Informatics and Soft Computing. Advances in Intelligent Systems and Computing, vol 768. Springer, Singapore, **(ISBN: 978-981-13-0617-4) (Scopus Indexed)**
4. Monali V. Waghmare, Rajkumar S. Jagdale, Vishal S. Shirsat "Comparative Analysis Using Lexicon Based Approach", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.5, Issue 2, page no. pp1190-1195, February-2018. **(UGC Approved)**
5. Rajkumar S. Jagdale, Vishal S. Shirsat, Sachin N. Deshmukh, “Sentiment Analysis of Events from Twitter Using Open Source Tool”, International Journal of Computer Science and Mobile Computing(IJCSMC)ISSN 2320-088X,Vol. 5, Issue. 4, April 2016, pg.475 – 485. **(UGC Approved)**

International Conferences (06)

1. Shirsat, Vishal S., Rajkumar S. Jagdale, and S. N. Deshmukh. "Document Level Sentiment Analysis from News Articles." 2017 International Conference on Computing, Communication, Control and Automation (ICCUBE). IEEE, 2017. **(Scopus Indexed)**
2. Vishal S. Shirsat , Rajkumar S. Jagdale, Sachin N. Deshmukh, "Sentence Level Negation Identification from News Articles using Sentiment Analysis", International Conference on Cognitive Knowledge Engineering (ICKE), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) – 431004 (India), ISBN 9789386751041, 2017
3. Sarika Daware, Vishal Shirsath, Farukh Siyed, "Lung Cancer Prediction based on Lifestyle Data using Machine Learning and Regression Techniques", International Conference on Intelligent System, Cognitive Science and Knowledge Engineering (ICKE 2023) organized by Department of Computer Science & IT, Dr. B. A. M. University, Aurangabad **(Web of Science Indexed)**
4. Sarika Daware, Vishal Shirsath, Farukh Siyed, "An Improved Model for Lung Cancer Prediction based on Lifestyle parameters using Machine Learning Techniques", International Conference on Integration of Computational Intelligent Systems(ICISIC 2023) Held on 01st – 04th November 2023 **(IEEE, Scopus Indexed)**
5. Komal Jakotia, Vishal Shirsath, Raj Mishra, "Review on Intrusion Detection System using Deep Learning and Machine Learning", International Conference on Integration of Computational Intelligent Systems(ICISIC 2023) Held on 01st – 04th November 2023 **(IEEE, Scopus Indexed)**
6. Ajitha Mahapadi, Vishal Shirsath, Raj Mishra, "Identification of Non Proliferative Diabetic Retinopathy stages using CLAHE method of Data Preprocessing", 06th International Conference on Recent Trends in Engineering and Technology, Organized by VIIT Pune held from 24th – 25th November 2023 **(IEEE, Scopus Indexed)**

Citation Details

Name	ID	h-index	i10-index	Total Citation
Scopus	57203547015	03	-	163
Web of Science	AET-3958-2022	02	-	79
Google Scholar	GNtAbrwAAAAJ	06	05	324

Faculty Development Program (10 Attended)

1. Participated in One Week FDP on "Advances in Machine Learning Image Processing and Natural Language Processing" Organized by Department of Information Technology, School of Engineering & Technology, Nagaland University, Dimapur, India Held During from 16th – 21st August 2023.
2. Participated in One Week National Level Interdisciplinary Short Term Training Program on "Exploring Quality Research and its Societal Impact" Organized by Department of Engineering and RND Cell, Dr. D. Y Patil Institute of Technology, Pimpri, Pune. Held during from 09th – 13th October 2023.
3. Attended five Day's FDP on "Deep Learning Application Development, Tools and Research" Organized by Department of Artificial Intelligence and Data Science, VIIT, Pune, India Held During from 28th February to 04th March 2023.

4. Participated in One Week Faculty Development Program on "Recent Trends in IoT and Wireless Sensor Networks" organized by Department of Thakur Polytechnic, Mumbai on 25th – 31th October 2023.
5. Attended one Week National Level FDP on "Recent Advances in Data Science, Data Analytics and Cyber Security", Organized by Shri Vishnu Engineering College for Women (A), Bhimavaram, Held during on 01st March to 05th March 2023.
6. Attended FDP on "Data Analytics in Smart Healthcare", Organized by Knowledge Institute of Technology, Anna University, Chennai, Held during on 06th to 10th December 2021.
7. Attended FDP on "Artificial Intelligence" Organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Held during on 20th to 24th September 2021.
8. Attended FDP on "IoT: Design Challenges and Emerging System Application", Organized by Indian Institute of Information Technology, Kalyani, Held during on 13th to 17th December 2021.
9. Attended FDP on "Robotics and Automation", Organized by Government Engineering College, Modasa, Held during on 20th to 24th December 2021.
10. Attended FDP on "Machine Learning Basics and Emerging Trends", Organized by Devi Ahilya Vishwavidyalay, Indore and Electronics and ICT Academy, PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, Held during on 01st to 06th September 2017.



Professional Membership

Sr. No	Life Member/ Fellow	Membership No.
1	Life Member of "Indian Science Congress Association" (ISCA)	L23501
2	Life Member of "International Association of Engineers (IAENG)"	141979



Personal Details

Date of Birth: 14th January 1987
Gender: Male
Age: 35
Marital Status: Married
Citizenship: Indian

Declaration

I, **Dr. Vishal Sampatrao Shirsath** hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

Vishal S. Shirsath

Pune, Maharashtra, India /
/ 2023