

Dr. Kalpana B. Khandale

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CHHATRAPATI SAMBHAJINAGAR 431 001 M.S (India)

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SKILL SET

- Excellent communication, analytical, problem solving, team building & relationship management skills with the ability to work under pressure and deliver quality output.
- Self-motivated and focused towards achieving end goals with excellent planning and organizing skills.

ACADEMIC CREDENTIALS:

2004	S.S.C.	AURANGABAD BOARD with 72.53%
2007	H.S.C.	AURANGABAD BOARD with 63.16%
2010	B.Sc.	Dr. B.A.M.U. with 67.03%
2013	M.Sc. (CS)	Dr. B.A.M.U. with 7.74 CGPA (A+)
2016	M. Phil (CS)	Dr. B.A.M.U. with 7.55 CGPA (A+)
2023	Ph.D.	Dr. B.A.M.U Chhatrapati Sambhajinagar (Awarded)

Language Known:

ENGLISH, MARATHI, HINDI

Teaching Experience:

- Worked as Assistant Professor (Computer Science) at Department of Computer Science & I.T., Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajnagar from 17th August 2023 to till date.
- Worked as Assistant Professor in the subject of computer science, at Deogiri College, Chhatrapati Sambhajnagar from March 2022 to August 2023.
- Worked as Assistant Professor in subject of Computer science at Rajarshi Shahu College, Pathri, Chhatrapati Sambhajnagar from February 2013 to December 2013.

Subjects Taught:

- 1) Artificial Intelligence.
- 2) Fundamental Machine Learning
- 3) Data Structure
- 4) Research Methodology
- 5) VB. Net.
- 6) Computer Graphics.
- 7) Software Engineering
- 8) Mathematical Foundation and Statistics
- 9) Advanced DBMS.
- 10) Python Programming
- 11) Data Visualization.

Paper published:

- 1) Kalpana B. Khandale, C. Namrata Mahender, “**Resolving Anaphora in Marathi Language Text using Named Entity Recognition**” book chapter accepted for publication in **Springer Nature** by International Conference on Innovations and Advances in Cognitive Systems [ICIACS 2024].
- 2) Kalpana B. Khandale, C. Namrata Mahender, "**Identification and Resolution of Anaphora in Marathi text: Hybrid Approach**" accepted for publication in **Taylor and Francies (CRC Press)** by International Conference on Data Science & Exploration in Artificial Intelligence, 2024.
- 3) Kalpana B. Khandale, C. Namrata Mahender, “**Anaphora Resolution: A Complete View with Case Study**” book chapter published in “Natural Language Processing and Information Retrieval: Principles and Applications” published by **Taylor and Francies (CRC Press) 2023**.
- 4) Kalpana B. Khandale, C. Namrata Mahender, “**Context Based Anaphora Resolution of English Dis-courses using Rule Based Approach**” book chapter accepted for publication in **Springer Nature** by 5th International Conference on Artificial Intelligence and Speech Technology (AIST-2023).

- 5) Kalpana B. Khandale, C. Namrata Mahender, “**Resolving Anaphora in Marathi Language**”, The Seybold Report (ISSN 1533-9211) -2022 **Scopus-Indexed Journal**.
- 6) Kalpana B. Khandale, C. Namrata Mahender “**Resolving Anaphora using Gender and number Agreement for Marathi Text**” (ACM-2021)
- 7) Kalpana B. Khandale, C. Namrata Mahender, “**Rule Based Combined POS Tagger for Marathi**”, (ICCIDS-2021)
- 8) Kalpana B. Khandale, C. Namrata Mahender, “**Issues and Framework of Rules for Resolving Anaphora in Marathi Text**” (ICDSA-2021).
- 9) Kalpana B. Khandale, C. Namrata Mahender, “**Marathi Anaphora Resolution using Binding Theory**”, ICETET-2021
- 10) Kalpana B. Khandale, C. Namrata Mahender, “**Rule Based Design for Anaphora Resolution for Marathi**”, (IEEE-Xplore-2019)
- 11) Kalpana B. Khandale, C. Namrata Mahender, “**Natural Language Processing Based Rule Based Discourse Analysis of Marathi Text**”, (IEEE-Xplore-ICESSES-2019)
- 12) Vijay Dhangar, Madhav Khankar, Kalpana B. Khandale, C. Namrata Mahender”, **Domain Specific POS tagger for Marathi**” (IJREAM (jan-19, NCRICE-2019)). UGC-Approved Journal
- 13) Kalpana B. Khandale, Ajitkumar Pundge, C. Namrata Mahender, “**Similarities of words using different POS tagger**”, (IOSR-JCE-2017).
- 14) Priyanka Gaikwad, Kalpana B. Khandale, C. Namrata Mahender, “**PDP Resolution of “IT” for Proper Identification of Gender Using Rule Based Approach**”, (IOSR-JCE-2017)
- 15) Vaishali Kadam, Kalpana B. Khandale, C. Namrata Mahender, “**Rule Based Approach for Marathi Part-Of-Speech Tagging**” (ICTIS-2021).
- 16) Vaishali Kadam, Kalpana B. Khandale, C. Namrata Mahender “**Development of Named Entity Recognition System for Marathi Language**” (ICETET-2021).
- 17) Vaishali Kadam, Kalpana B. Khandale “**Design and Development Marathi Word Stemmer**” (ICACECS-2021).
- 18) Kalpana B. Khandale, C. Namrata Mahender “**Review of Methods in TREC from 1992 to 2014**” in International Journal of Computer Applications in January 2016.

Paper Presented:

- 1) Kalpana B. Khandale, C. Namrata Mahender, “Resolving Anaphora in Marathi Language Text using Named Entity Recognition” book chapter accepted for publication in **Springer Nature** by International Conference on Innovations and Advances in Cognitive Systems [ICIACS 2024].
- 2) Kalpana B. Khandale, C. Namrata Mahender, “**Identification and Resolution of Anaphora in Marathi text: Hybrid Approach**” accepted for publication in **Taylor and Francies (CRC Press)** by International Conference on Data Science & Exploration in Artificial Intelligence, 2024.
- 3) Kalpana B. Khandale, C. Namrata Mahender, “**Context Based Anaphora Resolution of English Dis-courses using Rule Based Approach**” book chapter accepted for publication in **Springer Nature** by 5th International Conference on Artificial Intelligence and Speech Technology (AIST-2023).
- 4) Kalpana B. Khandale, C. Namrata Mahender “**Rule-Based Anaphora Resolution in English Text**”, 4th International Virtual Conference on “Recent Trends in Engineering and Technology (VISHWACON-2021)” at VIIT Pune.
- 5) Kalpana B. Khandale, C. Namrata Mahender “**Issues and Framework of Rules for Resolving Anaphora in Marathi Text**”, 2nd International Conference on Data Science and Applications (ICDSA 2021), (Lecture Notes in Networks and Systems- Springer Book Series)
- 6) Kalpana B. Khandale, C. Namrata Mahender “**Rule-Based Combined Tagger for Marathi**”, 4th International Conference on Computational Intelligence in Data Science.

(Advances in Information and Communication Technology- Springer Book Series) 18,19 & 20 MARCH 2021

- 7) Kalpana B. Khandale, C. Namrata Mahender “**Resolving Anaphora using Gender and number Agreement for Marathi Text**”, DSMLAI Conference at Namibia University (ACM-2021 Digital Library)
- 8) Kalpana B. Khandale, C. Namrata Mahender “**Marathi Anaphora Resolution using Binding Theory**”, 1st International Conference on Emerging Trends in Engineering and Technology (ICETET21).
- 9) Kalpana B. Khandale, C. Namrata Mahender “**Natural Language Based Rule Based Discourse Analysis of Marathi text**”, International conference on Electronics and Sustainable Communication Systems (ICESCS 2020) IEEE
- 10) Kalpana B. Khandale, C. Namrata Mahender “**Rule-based design for anaphora resolution of Marathi sentence**”, IEEE 5th I2CT-2019, International conference organized by IEEE, Pune in 29th-31st March-2019.

Paper Reviewed:

- 1) **Journal of Computer Science** for Science Publication with Ref No: JCS2403093 dated on 09 March 2024, manuscript 7773-JCS entitled: “**The Impact Of Online Sentiment for Indonesian Restaurant**”
- 2) 20th International Conference on Natural Language Processing (**ICON**) 2023, held at Goa University from 14th to 17th December, 2023.

Special Achievements:

- 1) Rajiv Gandhi National Fellowship – April 2014
- 2) Best Paper Award paper presentation entitled as “**PDP Resolution of “IT” for Proper Identification of Gender using Rule Based Approach**” in International Conference on “**Recent Advances in Computer Science, Engineering and Technology (ICRACSET-2017)**” organized by Dr. G.Y. Pathrikar College of Computer Science & Information Technology, CIDCO, Chhatrapati Sambhajanagar.

Workshop attended:

- 1) Three days workshop on “**Data Science and Machine Learning**” organized by Department of Computer Science and Engineering, Kings College of Engineering on 18th October to 20th October 2023.
- 2) Two-day workshop on “**Text Mining using R-tool**” organized by Department of CS & IT, Dr. B. A. M. University, Chhatrapati Sambhajanagar on 5-6 March 2016.
- 3) Two-day workshop on “**Multicore Technology**” organized by IETE Center, Chhatrapati Sambhajanagar and MGM’s Dr. G.Y. Pathrikar College of Computer Science & Information Technology, CIDCO, Chhatrapati Sambhajanagar during 17th to 18th February 2016.

Conference attended:

- 1) 3rd International Conference on Cognitive Knowledge Engineering (**ICKE-2023**) organized by Dept. Of CS &IT, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajanagar.

- 2) 2nd International Conference on Data Science and Applications (**ICDSA 2021**), in Virtual Format in association with School Of Mobile Computing And Communication, Jadavpur University, Kolkata, India (**April 2021**) (**Online**)
- 3) International Conference on Computational Intelligence in Data Science-2021 (**ICCIDS-2021**) Sri Sivasubramaniya Nadar College of Engineering Chennai, India, March 18-20, 2021 (**Online**)
- 4) International Conference on Electronics and Sustainable Communication Systems (**ICESC-2020**), Coimbatore, India (**Online**)
- 5) Interdisciplinary International Conference Women in 21st Century: India and Abroad organized by Mass Communication Department, Chhatrapati Sambhajanagar (**MGM-2020**).
- 6) IEEE 5th International conference for Convergence in technology (**5th I2CT-2019**), Pune, Maharashtra India. (**Online**)
- 7) National Conference on Recent Innovations in Computer Science & Electronics (**NCRICE-2019**) Organized by Deogiri College Chhatrapati Sambhajanagar, Department of Computer Science & Electronics.
- 8) International Conferences on Recent Advances in Computer Science Engineering and Technology (**ICRACSET-2017**) organized by MGM DR. G. Y. Pathrikar college of Computer Science and Information Technology, Chhatrapati Sambhajanagar.
- 9) 2nd International Conference on Cognitive Knowledge Engineering (**ICKE-2016**) organized by Dept. Of CS &IT, Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajanagar.

Webinar Attended:

- 1) Webinar on “**Understanding what and how publishing ethics**” organized by Springer Nature on 14th October 2020.
- 2) Webinar on “**Open Source Tools for E-content Development, Teaching, Learning and Evaluation**” organized by Milind College of Science, Chhatrapati Sambhajanagar on June 28th 2020.
- 3) Webinar on “**User Experience Considerations for Building Modern Apps**” organized by Bharati Vidyapeeth’s Institute of Computer Application and Management, BVICAM, New Delhi., on February 4th, 2023.

Refresher Courses/FDP:

- 1) National level online FDP on “**Enhancing Teaching-Learning Pedagogy using Hands on ICT tools**” by Department of Computer Engineering and Internal Quality Assurance Cell, SNJB’s Late Sau. K. B. College of Engineering, Chandwad, Nashik from 22nd to 27th April 2024.
- 2) National level online FDP on “**Deep Learning and Artificial Intelligence**” by Andhra Pradesh State Skill Development Corporation (APSSDC) in collaboration with ExcelR Edtech Pvt.Ltd, from 26th February to 1st March 2024.
- 3) National level online FDP on “**Data Analytics using Power BI and Tableau**” by Faculty of IT and CS -Parul University - Gujarat, Atria Institute of Technology- Karnataka & Amity Pune – Maharashtra in collaboration with ExcelR Edtech Pvt.Ltd, from 11st March to 15th March 2024.

- 4) National level online FDP on “**Data Visualization Using Tableau**” by Department of Computer Science and Engineering, Mohan Babu University, Tirupati, Andhra Pradesh in collaboration with ExcelR Edtech Pvt.Ltd, from 1st April to 5th April 2024.
- 5) National level online FDP on “**ChatGPT and Prompt Engineering**” by Bharati Vidyapith College of Engineering-Navi Mumbai, NRI Institute of Technology-Vijayawada and Shreenidhi Institute of Science and Technology, Hyderabad in collaboration with ExcelR Edtech Pvt.Ltd, from 18th to 22nd December 2023
- 6) National Institute of Electronics and Information Technology (NIELIT) Calicut course entitled as: “**Python for Beginners**” from 11st to 15th September 2023.
- 7) National Institute of Electronics and Information Technology (NIELIT) Calicut course entitled as: “**Machine Learning using Python**” from 18th to 22nd September 2023.
- 8) Online Elementary FDP on “**Natural Language Processing-AI**” by AICTE Training and Learning (ATAL) Academy from 29th November to 3rd December 2021.
- 9) Online Elementary FDP on "**Exploring Machine Learning and Deep Learning Algorithms for Natural Language Processing (NLP) Applications**" by AICTE Training and Learning (ATAL) Academy from 22/11/2021 to 26/11/2021 at Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering &Technology

Other Activity:

- 1) Working as an Officer at PG Science-DCAS for Nov/Dec 2023 with appointment letter ref.no. Exam/DCAS. Science/2024, dated 04/01/2024 at Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar.
- 2) Online quiz competition organized on “**Data Science using Python Programming**” by Maulana Azad College of Arts, Science & Commerce 2020

Personal Information

FATHER NAME : BHIMRAO N. KHANDALE

DATE OF BIRTH : 1ST JULY 1988

GENDER : FEMALE

MARRIITAL STATUS : MARRIED

RELIGION : HINDU

I under signed declare that, the information furnished by me is true, complete and correct to the best of my knowledge and belief.



Dr. Kalpana B. Khandale

Date: - 21/06/2024

Place: -Chhatrapati

Sambhajinagar