

RESUME



Ms. Manisha Shrirang Otari (Choudhari)

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Objective:

To work in an environment that offers scope for learning, where I can contribute to the best of my capabilities.

Personal Details:

Father's Name: Mr. Shrirang D. Otari
Mother's Name: Mrs. Pushpalata S. Otari
Husband's Name: Mr. Ravikiran D. Choudhari
Gender: Female
Nationality: Indian
Caste: Hindu-Otari (NT1)
Marital Status: Married
Language Known: Marathi (Mother Tongue), English, Hindi

ACADEMIC PROFILE:

Examination	University	Name of Institution	Passing Year	Percentage
Ph.D.*	SGU, Kolhapur	Sanjay Ghodavat University Kolhapur	2021*(Admitted Year)	
M.Tech [Computer Science & Engineering]	VTU, Belgaum	PDA College of Engg., Gulbarga	2011	CGPA 9.57
B.E[Computer Science & Engineering]	Solapur	Walchand Institute of Technology, Solapur	2003	63.14%
Diploma in [Computer Technology]	MSBTE Mumbai	Government Polytechnic Solapur	1999	80.10%
XIIth	Pune Board	Walchand College of Arts Science, Solapur	1996	72.83%
Xth	Pune Board	Indira Kanya Prashala Solapur	1994	84.14%

*Pursuing (Thesis submitted and under review.)

Project:

M.Tech Project Title: **Estimation of Defects based on Defect Decay Model**

Ph.D Topic: **Multi-objective federated cross-domain recommendation system**

Achievements:

- Awarded as **“Best Teaching Faculty”** twice at the Computer Science and Engineering department, 2012-13 and 2024-25.
- **Academic excellence award** bestowed as a token of gratitude in recognition of best performance and devoted efforts in the academic year 2013-14 at the Computer Science and Engineering department.
- Awarded as **Winner in Content Guru of Inspire Faculty Excellence Awards 2014 at Infosys Campus Connect**
- Awarded as **“Pandit”** in State Level Lecture Presentation Competition, GURUQUEST 2012, organized by Government Polytechnic, Miraj.
- Achieved **1st rank** in MTech.-First Year Examination
- Achieved **1st rank** in Final Year Diploma Examination

International Paper Publications:

- 1) Paper entitled **“Study of software defect estimation models”** is published in the international conference on **“Communication, Computation, control and nanotechnology”** (ICN-2010) held during October 29-30,2010, at Rural Engineering College, Bidar, Maharashtra.
- 2) Paper entitled **“Transliteration generator for Devnagari using Mangal Font”** by Dr. S.D.Raut and Miss. Khadtare Arti and Prof. Otari M.S., in *International Journal of Application or Innovation in Engineering & Management* ISSN 2319 - 4847 Volume 3, Issue 8, August 2014
- 3) Paper entitled **“Plagiarism Detection-Different Methods and Their Analysis: Review”** by Miss. Hiremath Sridevi and Prof. Otari M S in *International Journal of Innovative Research in Advanced Engineering (IJIRAE)* ISSN: 2349-2163 Volume 1 Issue 7, 2015
- 4) Paper entitled **“Morphological Disambiguator for Marathi using NLP”** by Dr. S.D.Raut and Miss. Khadtare Arti and Prof. Otari M.S, in *International Journal of Scientific research & Management* ISSN(e) 2321 -3418 Volume 3, Issue68, August 2014
- 5) Paper entitled **“A Review on Sentiment Analysis and Visualization of customer Reviews”** by **Ms. Apurva V. Gundla, Prof. Otari M. S.** in *International Journal of Engineering and Computer Science* Volume 4, Issue 10. Oct 2015 ISSN 2319-7242
- 6) Paper entitled **“SENTIMENT ANALYSIS AND VISUALIZATION OF CUSTOMER REVIEW”** by **Ms. Apurva V. Gundla, Prof. Otari M. S.** in *International Journal of Engineering Science and Research Technology* Volume 4, Issue 12. Dec 2015 ISSN 2277-9655

- 7) Paper entitled "**Private Review Analysis in Social network sites**" by **Ms. Pallavi Dhende, Prof. Otari M. S.** in International Journal of Engineering Science and Research Technology Volume 4, Issue8. Aug 2015 ISSN 2277-9655
- 8) Paper entitled "Adaptive Routing Prediction for Regulating City Traffic" by **Mr. Vijay Sangolagi, Prof. Otari M. S.** in International Journal of Innovative Research in Computer in Communication Engineering Volume 4, Issue8. Aug 2016 ISSN 2320-9798
- 9) Paper entitled "Optimized Transit Alert System with Real Time Data" by **Mr. Prabhakar Bhosale, Prof. Otari M. S.** in International Journal of Innovative Research in Computer in Communication Engineering Volume 6, Issue 5. May 2018 ISSN 2320-9801(online)
- 10) Paper entitled "**Creating Realistic Model of 2D layouts using Augmented Reality**" by **Prof. Otari M.S.** has been published online in IJRESM.
- 11) Paper entitled "**Smart Waste Management using IoT**" by **Prof. Otari M.S.** has been published online in IJRESM.
- 12) Paper entitled "**English to Marathi Translator using Anusaaraka**" by Prof. Otari M.S. has been published online in IJRESM.
- 13) Paper entitled "**SECURE IMAGE TRANSFER THROUGH MAIL**" by **Ms. Kanchan Khairate, Prof. Otari M.S.** has been published online in IJRAR, May 2020. UGC Approved (Journal No : 43602) & 5.75 Impact Factor.
- 14) "Psychological illness Detection via Social Networking Sites using Machine Learning Framework", publication in Journal of Chengdu University of Technology (Science and Technology Edition), Volume 26, Issue 08, August-2021
- 15) The research article published in Accelerating Discoveries in Data Science and Artificial Intelligence I. ICDSA I 2023. Springer Proceedings in Mathematics & Statistics, vol 421. Springer, Cham. https://doi.org/10.1007/978-3-031-51167-7_22 Paper Title - "Challenges and Advancement in Federated Recommendation System: A Comprehensive Review."
- 16) The research article published in Innovations in Cybersecurity and Data Science. ICICDS 2024. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-97-5791-6_19 presented on 15-17 March 2024 and published on 13th Dec 2024.
Paper Title - "Security, Privacy, and Communication Efficiency in Federated Learning: Issues and Perspectives.
- 17) The research article is published in the peer-reviewed open-access Scopus-indexed journal Nanotechnology Perceptions.
<https://nanontp.com/index.php/nano/article/view/1342/1126>. Paper Title – "Revolutionizing Emotion-Driven Sentiment Analysis using Federated Learning on Edge Devices for Superior Privacy and Performance".
- 18) The research article "Modular Federated Cross-Domain Recommendation (MFCDR) System with a Projected Attention Network " was published in the Journal of Computational and Cognitive Engineering, a Q1 journal.

Conferences/ Workshops Attended:

- 1) Attended 2-Week FDP on "Natural Language Processing and LLMs" Sponsored by the Ministry of Electronics & Information Technology (MeitY), GoI, sponsored by E&ICT Academy, NIT Warangal, and Annasaheb Dange College of Engineering & Technology, Ashta, Maharashtra, during 28-2-24 to 9-3-24.
- 2) Attended AICTE-ISTE approved Induction/Refresher programme on "IOT: A hands-on approach" organized by Nagesh Karajagi Orchid College of Engineering & Technology, Solapur, from 26/12/2017 to 30/12/2017
- 3) Attended ISTE approved Two-week Workshop on "**Introduction to Design of Algorithms**" conducted by Indian Institute of Technology Kharagpur (IITK) from 27th April to 24th May (online activity equivalent to one week) and physical participation at Remote Center from 25th to 30th May, 2015 at N.K Orchid College of Engg. & Tech. Solapur.
- 4) Attended ISTE-approved STTP on "Image Processing & Machine Learning" organized by the Department of ENTC at NB Navale Sinhgad College of Engineering, Solapur in December 2014
- 5) Attended ISTE-approved Two-week Workshop on "**Computer Programming**" conducted by the Indian Institute of Technology Bombay (IITB) in June 2014 at N.K. Orchid College of Engg. & Tech. Solapur.
- 6) Attended 3-day workshop on Android Application Development conducted by Mobantica Solutions from 5th to 8th February, 2014 at N.K. Orchid College of Engg. & Tech. Solapur.
- 7) Attended an ISTE-approved Two-week Workshop on "**Database Management Systems**" conducted by the Indian Institute of Technology Bombay(IITB) from 21st to 31st May, 2013 at N.K. Orchid College of Engg& Tech. Solapur.
- 8) Attended an ISTE-approved Two-week Workshop on "**Research Methodology**" conducted by the Indian Institute of Technology Bombay IITB) from 25th June to 04 July, 2012, at N.K. Orchid College of Engg. & Tech. Solapur.
- 9) Attended Faculty Development Programme (FDP) on "**IBM DB-2**" during 8th to 10th April, 2010, organized by the Department of Computer Sci &Engineering by an Expert from IBM at BMIT, Solapur.
- 10) Attended Faculty Development Programme (FDP) on "**Induction training to teachers**" from 25th to 26th December, 2010, organized by the Department of Computer Sci &Engineering by at VVPIT, Solapur.
- 11) Attended the ISTE-approved Two-week **MISSION 10X** Workshop by Wipro, organized by WIT, Solapur

Conferences/ Workshops Organized:

1. TWO-DAY WEEKEND TRAINING PROGRAMME_On "Introduction to Machine Learning"

Name of industry expert person/Institute: Conducted by IIT Kharagpur

Course Coordinator:

Prof. Sourangshu Bhattacharya

Prof. Pawan Goyal

Date: (from- to) 16th December and 17th December, 2017

2. The 5-day FDP on SQL and Snowflake from 16th Dec to 20th Dec 2024. The resource person was Mr. Mahantesh Swami, Snowflake admin, IBM, Bangalore

Industrial Training:

- One week industrial training on “BMC automated software” at Enhanced Software solutions, Mumbai from 20th June to 24th June, 2011.
- Three weeks of industrial training on “Python and git” at Renown Web Solutions, Solapur from 7th Dec to 26th Dec, 2015.

Expert Lecture Conducted

- A lecture for Final year EJ4G students of Government Polytechnic, Solapur on the topic “Computer Networking “
- A lecture for Third year CSE students of VVPIT, Solapur on the topic “System Programming- Compilers”

Employment:

Working as an Assistant Professor in the CSE department at N K Orchid College of Engg & Tech, Solapur

Date of Joining: -19 January 2010(till date)

Teaching Experience(UG+PG):

Name of Institute	Duration
Government Polytechnic Solapur	July 2003 to March 2005
Government Polytechnic Solapur	January 2006 to January 2010
NK Orchid College of Engg & Tech., Solapur (UG Level)	19 January 2010 to date
NK Orchid College of Engg & Tech., Solapur (PG Level)	July 2012 to 2017

Project guidance (PG):

- Morphological Disambiguator for Marathi
- Plagiarism detection based on shapes and figures
- Enforcing Context Sensitive Privacy in Social networks
- Sentiment Analysis and Visualization of Customer Reviews
- Optimized Transit Alert System With Real Time Data
- Adaptive routing prediction for regulating city traffic
- SECURE IMAGE TRANSFER THROUGH MAIL

Departmental Responsibility

Class Coordinator
ISO Coordinator
NBA Coordinator

Institute Level

Deputy Post Exam Co-Ordinator (Complete set-up of ERP Exam module for our autonomous institute)

Subjects of Interest:

Compiler construction,
Web Application,
Operating systems,
Natural Language Processing.

Known Programming Languages

C, C ++, Python, JavaScript

Declaration:

I hereby declare that the above-mentioned information is correct to my knowledge.

I bear the responsibility for the correctness of the mentioned particulars.

Date : _____

Place : Solapur.

Signature
(Miss Otari Manisha Shrinag/ Choudhari)