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# SAMINA MULLA

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## PROFESSIONAL SUMMARY

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Enthusiastic and Student-centered Assistant Professor well-versed in machine learning and artificial Intelligence. Known for providing great support to both professors and students with approachable demeanor and excellent attention to detail. Offers 10+ year background experience in developing instructional plans and organizing and grading exams and tests. Commended for sustaining effective learning environment through prepared classes and relevant assignments and consistently achieving classroom management and academic goals. .

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## SKILLS

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- Class Organization
- Research and Analysis
- Technology-Based Learning Tools
- Experiential Learning Methods

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## WORK HISTORY

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**Engineering-Assistant Professor [UGC Approved], 06/2015 - Current**

**Arvind Gavali College of Engineering Satara – Satara, India**

- Shifted between informal and formal methods of teaching to create multi-layered web of learning incorporating experiments, practical activities, discussions, and projects into lessons.
- Created and designed quizzes, tests and projects to assess student knowledge.
- Led seminars ,workshops,guided student's projects to facilitate student learning ,engagement and increase memory retention.
- Evaluated and revised lesson plans and course content to achieve student-centered learning.
- Participated and led committee meetings to remain aware of developments in subject.
- Collaborated with faculty and staff to create meaningful learning experiences.
- Performed research to serve as basis for academic writing for publication.
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.

**Lecturer , 08/2006 - 05/2012**

**Bharati Vidyapeeth Polytechnic – Palus, India**

- Implemented innovative teaching strategies to engage students in lectures and coursework.
- Selected and designed lesson plans and curriculum to meet academic objectives.
- Arranged syllabus, developed schedule, and determined reading list for varied courses simultaneously, giving students appropriate time to complete assignments and absorb information.
- Mentored and advised students to explore career pathways based and amplify knowledge, skills and strengths.

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## EDUCATION

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**Ph.D.:** Natural Language Processing, Expected in 05/2024  
**Savitibai Phule University** - Pune

**Master of Engineering:** Computer Engineering, 08/2014  
**Pune Institute of Computer Technology** - Dhankawadi Pune

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## ACCOMPLISHMENTS

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- Active SPOC for the SWAYAM-NPTEL Local Chapter
- AWS AI & ML Scholarship winner

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## CERTIFICATIONS

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- AI Programming with Python Nanodegree
- Coursera Specialization in Natural Language Processing
- Google's Crash Course on Python
- Coursera certification courses:
  1. Mathematics for Machine Learning :Linear Algebra
  2. Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning
  3. Introduction to Machine Learning in Production

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## PUBLICATIONS

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1. Weighted Graph Embedding Feature with Bi-Directional Long Short-Term Memory Classifier for Multi-Document Text Summarization [ International Journal of Image and Graphics, 2022 - World Scientific ]
2. Over Comparative Study of Text Summarization Techniques based on Graph Neural Network[ Paper accepted - Web Intelligence- *Web of Science* ]
3. Effective Elytron Vespider-B rank BiLSTM classifier for multi document summarization[ Under Review- International Journal On Artificial Intelligence Tools- SCI Journal]
4. Generalized Method for Lexicon Importance Likelihood Approximation for E-News Cluster [International Journal of Computer Engineering and Applications- UGC approved]
5. Latest Information Summarization Using Modified Page Rank Algorithm [Latest Information Summarization Using Modified Page Rank Algorithm- UGC approved]

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## ADDITIONAL INFORMATION

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### Workshops and Faculty Development Programs

1. Two day national level workshop on "Recent Trends in Deep Learning", 9 Feb - 10 Feb 2023
2. Two day regional faculty development program conducted Research & Development cell KIT Kolhapur 11th Nov -12th Nov 2022.
3. AICTE-ISTE approved Orientation/Refresher Programme on "Innovative Teaching Learning Practices & Research" held during 23th April -29th April 2021 Karmaveer Bhaurao Patil College of Engineering, Satara, Maharashtra.
4. Online Elementary FDP on " Artificial Intelligence and its Applications" ,07th Jun - 11th Jun 2021, Government college of engineering, Nagpur. ATAL Academies
5. Two day workshop on "Intellectual Property Rights & IP Management for Startup",24th-25th May 2021.
6. one week online Short Term Training Programme (STTP) on "Deep Learning Tools & Applications in Engineering & Science" sponsored by All India Council for Technical Education (AICTE) ,New Delhi, organized by School of Computer Engineering and Technology (SCET), MIT Academy of Engineering, Alandi(D.),Pune,10 May -15 May 2021.
7. International webinar on " Natural Language Processing as a tool for Reasoning ", 09th Aug 2021.
8. Five day faculty development program on " Education in Universal Human Values and Professional Development", 5March- 9 March 2020.
9. one week online Faculty Development Program on "OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE" from 11-15 May 2020 under Margdarshan Scheme of AICTE, New Delhi.
10. One day NPTEL workshop,IIT Bombay, 25th Jan 2019.
11. Two day faculty development program on "Innovation & IPR", 28th Dec -29th Dec 2018.
12. Two week faculty development program on " Pedagogy for Online and Blended Teaching-Learning Process.,IIT Bombay, 17 Nov - 25 Nov 2018.
13. AICTE faculty development program on "Foundation Program in ICT for Education",IIT Bombay, 13 Sept- 18 Oct 2018.
14. One week faculty development program on "Machine Learning: Data Science Using Python and R Programming", (TEQIP Phase-III) 11th Dec -15th Dec 2017
15. One week faculty development program on "Outcome Based Education and NBA Accreditation", 1Nov-5 Nov 2017.

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## LANGUAGES

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### English

Upper intermediate (B2)

### Hindi

Intermediate (B1)

### Marathi

Upper intermediate (B2)