Geetanjali Sameer Mahamunkar, Ph.D.

✉ gsmahamunkar@dbatu.ac.in   ⓘ OrcidID   G GoogleScholar

🔳 gsmahamunkar.github.io

Employment History

2013 – till date	**Lecturer (Full Time)**, Dr. Babasaheb Ambedkar Technological University, Lonere, India.
2005 – 2012	**Assistant Professor(Contractual)** Dr. Babasaheb Ambedkar Technological University, Lonere, India.

Education

2018 – 2024	**Ph.D. Computer Engineering, Dr. Babasaheb Ambedkar Technological University** India. Thesis title: *Deep Learning Techniques for Geospatial Data Analysis.*
2008 – 2010	**M.Tech. Computer Engineering, Dr. Babasaheb Ambedkar Technological University** India.
2000 – 2005	**B.Tech. Computer Engineering, Dr. Babasaheb Ambedkar Technological University** India.

Research Publications

Journal Articles

1. G. Mahamunkar, A. Kiwelekar, and L. Netak, "Dataset creation and comparative analysis of machine learning models for mangrove classification in coastal maharashtra, india," *International Journal on Recent and Innovation Trends in Computing and Communication*, vol. 12, no. 2, pp. 344–350, 2024. 🔗 URL: https://ijritcc.org/index.php/ijritcc/article/view/10668.

2. G. Mahamunkar, A. Kiwelekar, and L. Netak, "Deep learning model for black spot classification," *International Journal of Performability Engineering*, vol. 18, no. 3, 222, p. 222, 2022. 🔗 DOI: 10.23940/ijpe.22.03.p8.222230.

Conference Proceedings

1. G. Mahamunkar, A. Kiwelekar, and L. Netak, "Landslide prediction using multi-layer perceptron model," in *Intelligent Computing*, K. Arai, Ed., Cham: Springer Nature Switzerland, 2023, pp. 398–407, ISBN: 978-3-031-37717-4.

2. G. S. Mahamunkar, A. W. Kiwelekar, and L. D. Netak, "Mapping and change detection of mangroves using remote sensing and google earth engine: A case study," in *ICT Systems and Sustainability: Proceedings of ICT4SD 2021, Volume 1*, Springer, 2022, pp. 187–195.

3. G. S. Mahamunkar and L. D. Netak, "Comparison of various deep cnn models for land use and land cover classification," in *Intelligent Human Computer Interaction*, J.-H. Kim, M. Singh, J. Khan, U. S. Tiwary, M. Sur, and D. Singh, Eds., Cham: Springer International Publishing, 2022, pp. 499–510, ISBN: 978-3-030-98404-5.

Book Chapter

1. A. W. Kiwelekar, G. S. Mahamunkar, L. D. Netak, and V. B. Nikam, *Deep learning techniques for geospatial data analysis*. Springer, 2020, pp. 63–81.

Datasets

1. G. Mahamunkar, *Raigad LULC maps for the year 2002 to 2021*, Sep. 2023. 🔗 DOI: `10.6084/m9.figshare.24146190.v1`.

2. G. Mahamunkar, A. Kiwelekar, and L. Netak, *Dataset for binary image classification of mangroves*, Mendeley Data, V1, 2023. 🔗 DOI: `10.17632/ss5t249wdp.1`.

3. G. Mahamunkar, A. Kiwelekar, and L. Netak, *Dataset for landslide susceptibility prediction*, Mendeley Data, V1, 2023. 🔗 DOI: `10.17632/jsn8cwb9nz.1`.

Skills

Languages	Strong reading, writing, and speaking competencies for English, Marathi, Hindi.
Coding	C, C++, Python, PHP, SQL, LATEX, …
Databases	MySQL, MongoDB.
GIS	QGIS, Google Earth Engine, ArcGIS Pro.
Web Dev	MERN Stack (MongoDB, Express.js, React, Node.js), HTML, CSS.
Misc.	Academic research, teaching, training, consultation, LATEX typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

2023	**Best Session Paper Award**, Paper Title: Comparison of various deep CNN models for Land Use and Land Cover classification at The 13th International Conference on Intelligent Human Computer Interaction (IHCI-2021).
2022	**Keynote Speaker** at the State Level Conference on *Unmanned Aerial Vehicle(UAV) Technology, Regulations and Applications* at Government Polytechnic, Mumbai.

Administrative Experience

since 2023	**Coordinator**, M.Tech. program in Remote Sensing and GIS, Dr. Babasaheb Ambedkar Technological University, Lonere, India
since 2017	**Assistant Rector**, Girls Hostel (Hostel Alaknanda) of Dr. Babasaheb Ambedkar Technological University, Lonere, India

Hobbies

Art	Passionate about dance and music. Undergoing training of classical dance form **Kathak** and successfully completed three examinations of *Akhil Bhartiya Gandharva Vidyalaya*
Literature	Love reading books and is an *author* of an English poetry book **Pastels**
Travel	Love travelling for pleasure and exploring new places