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Dr. Malanga Kennedy Ndenga Profile

Name	Dr. Malanga Kennedy Ndenga
Designation	Senior Lecturer
School	Computing and Informatics
Department	Computing
Contact Information	Email: kmalanga@karu.ac.ke
Profile Picture 	Biography Dr. Malanga Kennedy Ndenga is a senior lecturer and Dean of the School of Computing and Informatics. In addition to steering the school, he teaches, carries out research, and mentors junior researchers in Computer Science. Malanga has research interests in Artificial Intelligence, Machine Learning, Data science, and Empirical Software Engineering with a focus on developing solutions for societal problems. He has published several journal and conference articles in these areas and made contributions of resources on Github and Kaggle . He has previously held leadership portfolios at his previous workplaces. Malanga is also a consultant of Digital Space Consultants and the Commission for University Education (C.U.E). He carried out his doctoral research at the Laboratoire d'Informatique Avancée de Saint-Denis (LIASD) of the University of Paris 8 (France) where he was awarded a PhD. in Computer Science.
Academic Qualifications	<ol style="list-style-type: none"> 1. PhD (Computer Science) - University of Paris 8, France 2. Master of Science (Computer Science) - University of Pune, India. 3. Bachelor of Education (Science) - Maseno University, Kenya.
Area/ Field of specialization	Computer Science
Research interests:	Artificial Intelligence, Machine Learning, Data science, and Empirical Software Engineering
Research Links	1. ORCID ID: 0000-0001-8435-5084.

2. **Google Scholar:**

<https://scholar.google.com/citations?user=39FeOuYAAAAJ&hl=en>

Journal publications

1. Simiyu, C. N., Malanga, K. N., & Wabwoba, F. (2026). Bridging the AI chasm: A strategic framework for generative AI in higher education. *Sustainable and Pedagogical Technologies*, 2(1), e42185.
2. Ndenga, K. M. (2023). A Deep Decision Forests Model for Hate Speech Detection. *Jordanian Journal of Computers and Information Technology*, 9(1).
3. Oriedi, D., Malanga, K., Musumba, G. W., Kamau, G., & Ollengo, M. (2023). A simulation of the optimal personnel demand for banking hall services.
4. Ndenga, M. K., Ganchev, I., Mehat, J., Wabwoba, F., & Akdag, H. (2018). Performance and cost-effectiveness of change burst metrics in predicting software faults. *Knowledge and Information Systems*, 1-28. <https://doi.org/10.1007/s10115-018-1241-7>.
5. Mazouzi, R., Kennedy, M., Runz, C. D., & Akdag, H. (2022). Consensual Based Classification As Emergent Decisions In A Complex System, *Jordanian Journal of Computers and Information Technology (JJCIT)*, pp. 112 – 126. DOI: 10.5455/jjcit.71-1638972901.
6. Ndenga M.K, Shikali, C. (2021). Analysis of Developer's Network and Change Burst Metrics as Predictors of Software Faults. *Journal of Applied Sciences, Engineering and Technology for Development* Vol. 5. DOI: 10.33803/JASETD.2021.1-1.1
7. Oriedi, D., Malanga, K., Musumba, G., Kamau, G., & Ollengo, M, (2023). A Simulation of the Optimal Personnel Demand for Banking Hall Services, *International Journal of Modeling and Optimization*, Vol. 13, No. 2.
8. Karari Kinyanjui, E., Ndenga, M., & Nyongesa, H. O. (2021). Hybridization of DBN with SVM and its Impact on Performance in Multi-Document Summarization. *Machine Learning and Applications: An International Journal (MLAIJ)* Vol.8, No.2/3, DOI:10.5121/mlaij.2021.8304.

Conference publications

1. **Malanga** K. N., Mehat J., Ganchev I. & Wabwoba F. (2016). Predicting Faults in Open-Source Software: Trends and Challenges. In *Crowston, K., Hammouda, I., Lindman, J., Lundell, B., and Robles, G. (Eds.) Proceedings of the Doctoral Consortium at the 12th International Conference on Open Source Systems, Skövde University Studies in Informatics 2016:1, pp.55 – 73 ISSN 1653-2325, ISBN: 978-91-978513-9-8, University of Skövde, Skövde, Sweden.*
2. **Ndenga**, M. K., Jean, M., Ganchev, I., & Franklin, W. (2015). Assessing quality of open source software based on community metrics. *International Journal of Software Engineering and Its Applications*, 9 (12), 337–348.
3. **Malanga**, K. N., Mehat, J., Ganchev, I., Wandeto, J., & Shivachi, C. (2015, February). *Evaluation of Open Source Software with QualiPSO OMM: a case for Bungeni and AT4AM for All. In Free and Open Source Software Conference FOSSC–15 (pp. 41–46).*

Funds attracted

1. <https://foundation.mozilla.org/en/blog/announcing-kenyas-inaugural-cohort-of-responsible-computing-challenge-awardees/>
2. <https://edt.ubuntunet.net/mini-grant-award-darubini-a-social-media-hate-speech-detector/>