Ghada Khoriba

Curriculum Vitæ

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Giza, Egypt
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Web of Science Researcher ID, AAG-6608-2019
Scopus ID, 23396428200
H-index 9, FWCI 1.49

筑波大学
University of Tsukuba

Teaching Philosophy

2000

From the early beginning of my teaching career, *My teaching philosophy is "Teach them well and let them lead the way".*

Research Philosophy

2010

After my Ph.D., I realized that, *"The more I learn, the more I realize how much I don't know".*

Education

2006
2010

Doctor of Philosophy in Engineering, *Computer Science*, Graduate School of Systems and Information Engineering, University of **Tsukuba,Japan**.
Mobility-aware Energy-efficient Protocols for Wireless Ad Hoc Networks.

2001
2004

Masters Degree in Computer Science, *Faculty of Computers and Information*, University of Helwan, Cairo, Egypt.
Design and Implementation of a Middleware Support Processing in Heterogeneous Operating Systems.

1996
2000

BSc Computer Science, *Faculty of Computers and Information*, Helwan University, Cairo,Egypt.
Excellent with Honor Degree

Languages

Arabic	Native	*Mother Tongue*
English	Fluent	*All lectures, all research work performed in English*
Japanese	Fair	*Simple conversations*

Experience

2022 **Associate Professor**, *School of Information Technology and Computer Science (ITCS), Nile University, Egypt*.

2024 **Visiting Associate Professor**, *Rashed Lab, Graduate School of Information Science, University of Hyogo, Japan*.

2021 – 2022 **Head of Artificial Intelligent Department**, *Ahram Canadian University*.

2021 – 2023 **Part-time, Computer Vision Researcher, National Digitization Project**, *MCIT(Ministry of Communications and Information Technology)*.

2021 – 2022 **Part-time Associate Professor**, *Computer Science*, Arab Academy for Science, Technology and Maritime Transport (AASTMT).

2020 **Associate Professor**, *Computer Science Department*, Faculty of Computers and Artificial Intelligence , Helwan University.

2019 – 2020 **Vice-Coordinator**, *Medical Informatics Program*, Faculty of Computers and Artificial Intelligence, Helwan University.

2019 **Journal Editor**, *FCAI-informatics Bulletin*, Helwan University.

2011 – 2020 **Assistant Professor**, *Computer Science Department*, Faculty of Computers and Artificial Intelligence, Helwan University.

2015 – 2018 **Part-time Assistant Professor**, *Computer Science Department*, Faculty of Computers Science, Misr International University.

2015 – 2017 **Part-time Assistant Professor**, *Computer Science Department*, Faculty of Computers Science, Ahram Canadian University.

2004 – 2006 **Assistant Lecturer**, *Computer Science Department*, Faculty of Computers and Information, Helwan University.

2000 – 2004 **Lecturer**, *Computer Science Department*, Faculty of Computers and Information, Helwan University.

Research Interest

Medical Image Analysis, Machine Learning Techniques, and optimization problems, Deep Learning Models, Swarm Algorithms, Computer Vision, Natural Language Processing, LLMs, and Knowledge Graphs.

Teaching Experience Undergraduate

Data Structure and Algorithms, Operating systems (Introduction and advanced), Programming Language (structured and object-oriented), Data Science and Machine Learning, Deep Learning, Pattern Recognition, Computer vision, Reinforcement Learning.

Teaching Experience postgraduate

Advanced Generative Adversarial Networks, Advanced Operating systems, Research methodologies

Supervise more than 10 Master Students, 5 PhD students

Professional Membership and Certificates

Member IEEE member since 2006, IEEE Computational Intelligence Society, ACM Professional Membership

Certified as IBM Artificial Intelligence Analyst 2020

Certified as IBM Blockchain Developer 2020 Mastery Exam

Certified as Internal Quality Auditor, ISO9001/2015

Journal Reviewer IEEE Transactions on Vehicular Technology, Journal of Experimental and Theoretical Artificial Intelligence , IEEE Access-Engineering,Sensors/MDPI

Grants Reviewer IBTIECAR judging 2018, IBTIECAR judging 2019, Jeddah University- Research projects 2018

Awards

40 Best researcher Awarded as one of the 40 top researchers with high field impact at Helwan University.

Graduation Projects supervisor IBTIECAR 2016, Third place winner in Data Science track.

Graduation Projects supervisor IBTIECAR 2018, Third place winners in AI and Federated Machine Learning track.

Students Activities Projects supervisor The first place, COVID-19 Special Track, Nile University Research Forum, Aug 2020.

Conferences Presented

2005 Distributed object middlewarebased load balancing Algorithm, *ICCTA*, Alexandria, Egypt

2007 Localized MobilityAware Geometric Graphs for Topology Control in Heterogeneous Mobile Ad Hoc Networks, *International Workshop, DNIS*, Aizu-Wakamatsu, Japan

2008 Cross-Layer Design for Power Efficient Wireless Ad Hoc Networks, *First Egypt-Japan, International Symposium on Science and Technology*, WASEDA University, Tokyo, Japan

Publications

Journal Publications

2025

[2] Kareem Mohamed et al. "Hands-on analysis of using large language models for the auto evaluation of programming assignments". In: *Information Systems* 128 (2025). DOI: 10.1016/j.is.2024.102473. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85206820939&doi=10.1016%2fj.is.2024.102473&partnerID=40&md5=60168e59190ad48406261fcc09ebd6d7.

2025

[5] Mina Yousef et al. "BeGrading: large language models for enhanced feedback in programming education". In: *Neural Computing and Applications* 37.2 (2025), pp. 1027–1040. DOI: 10.1007/s00521-024-10449-y. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85206892036&doi=10.1007%2fs00521-024-10449-y&partnerID=40&md5=715992a091e72084319f7d9c84ee0a52.

2024

[6] Arwa Ahmed et al. "Localizing Non-functional Code Bugs in User Interfaces Using Deep Learning Techniques". In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* 14396 LNCS (2024), pp. 381–394. DOI: 10.1007/978-3-031-49333-1_27. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180806837&doi=10.1007%2f978-3-031-49333-1_27&partnerID=40&md5=02c7a3f03202270510de9d0a237c7da5.

2024

[17] Karim Magdy, Ghada Khoriba, and Hala Abbas. "Enhancing Semantic Image Synthesis: A GAN-Based Approach with Multi-Feature Adaptive Denormalization Layer". In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* 14396 LNCS (2024), pp. 338–351. DOI: 10.1007/978-3-031-49333-1_24. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180741115&doi=10.1007%2f978-3-031-49333-1_24&partnerID=40&md5=c42321b0b9a3ccd1e8e72be0fadcb411.

2024

[23] Gehad Ismail Sayed, Ghada Khoriba, and Mohamed H. Haggag. "Correction to: The novel multi-swarm coyote optimization algorithm for automatic skin lesion segmentation (Evolutionary Intelligence, (2024), 17, 2, (679-711), 10.1007/s12065-020-00450-4)". In: *Evolutionary Intelligence* 17.2 (2024), pp. 713–715. DOI: 10.1007/s12065-020-00494-6. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095584389&doi=10.1007%2fs12065-020-00494-6&partnerID=40&md5=a4e9d5a8583fccf5e7ef2252ec545a87.

[24] 2024 Gehad Ismail Sayed, Ghada Khoriba, and Mohamed H. Haggag. "The novel multi-swarm coyote optimization algorithm for automatic skin lesion segmentation". In: *Evolutionary Intelligence* 17.2 (2024), pp. 679–711. DOI: 10.1007/s12065-020-00450-4. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089013656&doi=10.1007%2fs12065-020-00450-4&partnerID=40&md5=140437224b498da94dda4f9e32686fce.

[31] 2023 Mai Mokhtar, Hala Abdel-Galil, and Ghada Khoriba. "Brain Tumor Semantic Segmentation using Residual U-Net++ Encoder-Decoder Architecture". In: *International Journal of Advanced Computer Science and Applications* 14.6 (2023), pp. 1110–1117. DOI: 10.14569/IJACSA.2023.01406119. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168807615&doi=10.14569%2fIJACSA.2023.01406119&partnerID=40&md5=12b16b39eb73e0ea2d947374914bce28.

[36] 2022 Gehad Ismail Sayed, Ghada Khoriba, and Mohamed H. Haggag. "A novel Chaotic Equilibrium Optimizer Algorithm with S-shaped and V-shaped transfer functions for feature selection". In: *Journal of Ambient Intelligence and Humanized Computing* 13.6 (2022), pp. 3137–3162. DOI: 10.1007/s12652-021-03151-7. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103202615&doi=10.1007%2fs12652-021-03151-7&partnerID=40&md5=85ce55d5e624fec248f879ad3ff0f72d.

[37] 2022 Ahmed Swar, Ghada Khoriba, and Mohamed Belal. "A unified ontology-based data integration approach for the internet of things". In: *International Journal of Electrical and Computer Engineering* 12.2 (2022), pp. 2097–2107. DOI: 10.11591/ijece.v12i2.pp2097-2107. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122806619&doi=10.11591%2fijece.v12i2.pp2097-2107&partnerID=40&md5=e7329f6b0cf473f1369e03a0b6904fe0.

[39] 2021 Mohamed Labib Borham, Ghada Khoriba, and Mostafa Sami Mostafa. "Enhancement of Data Collection Performance in Wireless Sensor Networks Based on Path-Constrained Mobile Sink". In: *International Journal of Intelligent Engineering and Systems* 14.1 (2021), pp. 400–409. DOI: 10.22266/IJIES2021.0228.37. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099574642&doi=10.22266%2fIJIES2021.0228.37&partnerID=40&md5=9a0b91fecb865cf48148052322a233c9.

[40] 2021 Mohamed Labib Borham, Ghada Khoriba, and Mostafa-Sami Mostafa. "Data collection protocols for wireless sensor networks". In: *International Journal of Electrical and Computer Engineering Systems* 12.4 (2021), pp. 207–214. DOI: 10.32985/IJECES.12.4.4. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121556571&doi=10.32985%2fIJECES.12.4.4&partnerID=40&md5=351d34ca558aefdf87cd0f27770ad4e6.

[43] 2021 Gehad Ismail Sayed, Ghada Khoriba, and Mohamed H. Haggag. "Parameters optimisation of support vector machine using modified grasshopper optimisation algorithm-based Levy-flight method". In: *International Journal of Computer Aided Engineering and Technology* 15.1 (2021), pp. 120–147. DOI: 10.1504/IJCAET.2021.115951. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109755154&doi=10.1504%2fIJCAET.2021.115951&partnerID=40&md5=b006d60c02db0ca5cd44df538ab564d3.

[44] 2020 Nermeen Adel, Ghada Khoriba, and Rowayda Sadek. "An Efficient Hybrid Approach of YEAH with Multipath Routing (MP-YEAH) for Congestion Control in High-Speed Networks". In: *Advances in Intelligent Systems and Computing* 1058 (2020), pp. 809–820. DOI: 10.1007/978-3-030-31129-2_74. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075620198&doi=10.1007%2f978-3-030-31129-2_74&partnerID=40&md5=c8fdb11617550834c5a3897362145e12.

[45] 2020 Noha Y. Hassan et al. "Credibility detection in Twitter using word N-gram analysis and supervised machine learning techniques". In: *International Journal of Intelligent Engineering and Systems* 13.1 (2020), pp. 291–300. DOI: 10.22266/ijies2020.0229.27. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85080916301&doi=10.22266%2fijies2020.0229.27&partnerID=40&md5=6783716a3fe09e89fe91197fa1511cb8.

[46] 2020 Noha Y. Hassan et al. "Credibility detection in twitter using word n-gram analysis and supervised machine learning techniques". In: *International Food and Agribusiness Management Review* 23.1 (2020), pp. 1–10. DOI: 10.22434/IFAMR2019.0020. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85083099161&doi=10.22434%2fIFAMR2019.0020&partnerID=40&md5=6c0f3fca10058b31dd573b929616e769.

[47] 2020 Ensaf H. Mohamed et al. "Improved white blood cells classification based on pre-trained deep learning models". In: *Journal of Communications Software and Systems* 16.1 (2020), pp. 37–45. DOI: 10.24138/jcomss.v16i1.818. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084797561&doi=10.24138%2fjcomss.v16i1.818&partnerID=40&md5=486f191fbda230fbaf12d32139f7bb40.

[48] 2019 Dalia Sameh, Ghada Khoriba, and Mohamed Haggag. "Behaviour analysis voting model using social media data". In: *International Journal of Intelligent Engineering and Systems* 12.2 (2019), pp. 211–221. DOI: 10.22266/IJIES2019.0430.21. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064889092&doi=10.22266%2fIJIES2019.0430.21&partnerID=40&md5=16302be30564f04149e170f44096caf1.

2019

[49] Gehad Ismail Sayed, Ghada Khoriba, and Mohamed H. Haggag. "Hybrid Quantum Salp Swarm Algorithm for Contrast Enhancement of Natural Images". In: *International Journal of Intelligent Engineering and Systems* 12.6 (2019), pp. 225–235. DOI: 10.22266/IJIES2019.1231.22. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089528471&doi=10.22266%2fIJIES2019.1231.22&partnerID=40&md5=84fc0186bb3478165e16d74ce3a67893.

2018

[51] Gehad Ismail Sayed, Ghada Khoriba, and Mohamed H. Haggag. "A novel chaotic salp swarm algorithm for global optimization and feature selection". In: *Applied Intelligence* 48.10 (2018), pp. 3462–3481. DOI: 10.1007/s10489-018-1158-6. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85042936795&doi=10.1007%2fs10489-018-1158-6&partnerID=40&md5=205ddeefaf2086fd0603190c36831599.

2012

[53] Khoriba Ghada, Jie Li, and Yusheng Ji. "Cross-layer design for topology control and routing in MANETs". In: *Wireless Communications and Mobile Computing* 12.3 (2012), pp. 257–267. DOI: 10.1002/wcm.957. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-84863018196&doi=10.1002%2fwcm.957&partnerID=40&md5=1de57a72c739ddc34996706d1240d6df.

2010

[54] Khoriba Ghada, Jie Li, and Yusheng Ji. "Energy and mobility-aware topology control in heterogeneous mobile ad hoc networks". In: *International Journal of Computational Science and Engineering* 5.2 (2010), pp. 147–153. DOI: 10.1504/IJCSE.2010.036824. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-78349238076&doi=10.1504%2fIJCSE.2010.036824&partnerID=40&md5=55d66e4706b640e08bf4be17abccbde6.

2007

[56] Khoriba Ghada, Jie Li, and Yusheng Ji. "Localized mobility-aware geometric graphs for topology control in heterogeneous mobile ad hoc networks". In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)* 4777 LNCS (2007), pp. 178–188. DOI: 10.1007/978-3-540-75512-8_13. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-38149000150&doi=10.1007%2f978-3-540-75512-8_13&partnerID=40&md5=cee53757b940995de7a981661148b201.

Conference Publications

2025

[1] Ahmed Tamer Elboardy et al. "Bridging Gender Disparities in Mental Health: A Bilingual Large Language Model for Multilingual Therapeutic Chatbots". In: 2025, pp. 251–256. DOI: 10.1109/LT64002.2025.10941308. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-105002873073&doi=10.1109%2fLT64002.2025.10941308&partnerID=40&md5=e6118b86c72a2e11b2c2c85e554c6d9a.

[4] 2025 Muhammad Nouman, Ghada Khoriba, and Essam A. Rashed. "Evaluating Segmentation Accuracy with Diverse Prompt Strategies in Medsam". In: 2025. DOI: 10.1109/ISBI60581.2025.10980865. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-105005828476&doi=10.1109%2fISBI60581.2025.10980865&partnerID=40&md5=54cf04d55389dfcdfc02958eb3cf555b.

[7] 2024 Ahmed Ashraf Bekheet, Amr Ghoneim, and Ghada Khoriba. "A Comprehensive Comparative Analysis of Deepfake Detection Techniques in Visual, Audio, and Audio-Visual Domains". In: 2024, pp. 122–129. DOI: 10.1109/IMSA61967.2024.10652683. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204387147&doi=10.1109%2fIMSA61967.2024.10652683&partnerID=40&md5=e54367ef802b210deeda4e0cf8ba0142.

[8] 2024 Ahmed Ashraf Bekheet, Ghada Khoriba, and Amr S. Ghoneim. "Development of a multimodal framework for deepfake detection: Combining visual and audio analysis". In: 2024. DOI: 10.11159/mvml24.115. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205539993&doi=10.11159%2fmvml24.115&partnerID=40&md5=6ce61033c43bd619581ffabf8ce0dd3e.

[9] 2024 Asmaa Elmaghraby et al. "ArabicQuest: Enhancing Arabic Visual Question Answering with LLM Fine-Tuning". In: 2024, pp. 280–284. DOI: 10.1109/IMSA61967.2024.10652693. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204404022&doi=10.1109%2fIMSA61967.2024.10652693&partnerID=40&md5=f54cfc69f18a2490be4c498d31b73b27.

[10] 2024 Asmaa Elmaghraby et al. "Enhancing Visual Question Answering for Arabic Language Using LLaVa and Reinforcement Learning". In: vol. 244. 2024, pp. 335–341. DOI: 10.1016/j.procs.2024.10.207. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211234106&doi=10.1016%2fj.procs.2024.10.207&partnerID=40&md5=6f346c704de9fae52dfdcd847d1d41e7.

[11] 2024 Zeinab Elmessiry et al. "Utilizing Data Science to Analyze Student Performance Trends in STEM Education: Insights for Enhancing Curriculum Design". In: 2024, pp. 37–42. DOI: 10.1109/MIUCC62295.2024.10783632. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216095574&doi=10.1109%2fMIUCC62295.2024.10783632&partnerID=40&md5=d75e8baee35fe64b76eb47d6a17f5a6d.

[12] 2024 Zeyad Ezzat, Ayman Khalfallah, and Ghadad Khoriba. "Fused Transformers: Fused Information of Arabic long Article for Summarization". In: vol. 244. 2024, pp. 96–104. DOI: 10.1016/j.procs.2024.10.182. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211216301&doi=10.1016%2fj.procs.2024.10.182&partnerID=40&md5=24fbea95f061cdba2adc27f331ed5473.

[13] 2024 Ahmed Hamdy et al. "Uni-Buddy: A Multifunctional AI-Powered Assistant for Enhancing University Life: A Use Case at Nile University". In: 2024, pp. 602–609. DOI: 10.1109/IMSA61967.2024.10651588. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204402941&doi=10.1109%2fIMSA61967.2024.10651588&partnerID=40&md5=0387286ee3224c9c9c24abaf013ce8a1.

[14] 2024 Shahenda Hatem et al. "Up to Date: Automatic Updating Knowledge Graphs Using LLMs". In: vol. 244. 2024, pp. 327–334. DOI: 10.1016/j.procs.2024.10.206. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211224752&doi=10.1016%2fj.procs.2024.10.206&partnerID=40&md5=dea124469dc4de5ccf0b2ccf8c78197d.

[15] 2024 Esraa Ismail et al. "Developing a Medical Question-Answering Chatbot for Egyptian Arabic: A Comparative Study". In: 2024, pp. 53–60. DOI: 10.1109/MIUCC62295.2024.10783570. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216110365&doi=10.1109%2fMIUCC62295.2024.10783570&partnerID=40&md5=13a8ebe2962ddca419d90253b6112c7f.

[16] 2024 Abdelrahman Lotfy et al. "A Comparative Analysis of Large Language Models for Automated Course Content Generation from Books". In: 2024, pp. 437–442. DOI: 10.1109/NILES63360.2024.10753166. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85212582615&doi=10.1109%2fNILES63360.2024.10753166&partnerID=40&md5=efdfe31a473c3c61778f6f5aedef2837.

[18] 2024 Abeer Mahgoub, Ghada Khoriba, and Elhassan Anas Elsabry. "Mathematical Problem Solving in Arabic: Assessing Large Language Models". In: vol. 244. 2024, pp. 86–95. DOI: 10.1016/j.procs.2024.10.181. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85211240917&doi=10.1016%2fj.procs.2024.10.181&partnerID=40&md5=2db7a5ce15f9cb1efd56d10258385f9d.

[19] 2024 Muhammad Nouman, Ghada Khoriba, and Essam A. Rashed. "Rethinking MedSAM: Performance Discrepancies in Clinical Applications". In: 2024, pp. 301–307. DOI: 10.1109/FMLDS63805.2024.00061. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85219748300&doi=10.1109%2fFMLDS63805.2024.00061&partnerID=40&md5=fd6e0acaa9244fb9df363a7b5cc287e1.

[20] 2024 Abdelrahman Saeed et al. "Beyond sight: Distance-aware LVMs for smarter navigation". In: 2024. DOI: 10.11159/mvml24.116. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85205601508&doi=10.11159%2fmvml24.116&partnerID=40&md5=b76530f3e75774fdb91862b1d21f5d55.

[21] 2024 Mohamed Saied et al. "AI in Literature Reviews: a survey of current and emerging methods". In: 2024, pp. 61–65. DOI: 10.1109/MIUCC62295.2024.10783597. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85216083498&doi=10.1109%2fMIUCC62295.2024.10783597&partnerID=40&md5=7b79fe20a830f537f68836ee92e07748.

[22] 2024 Ahmed Tamer Salah, Ghada Khoriba, and Essam A. Rashed. "Segmentation of retinal arteries and veins using deep learning with limited training data". In: 2024, pp. 146–151. DOI: 10.1145/3665026.3665048. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201274657&doi=10.1145%2f3665026.3665048&partnerID=40&md5=4a42b1e3063a69863d3eaddee723af52.

[25] 2024 Tasneem Wael et al. "Pirates at ArabicNLU2024: Enhancing Arabic Word Sense Disambiguation using Transformer-Based Approaches". In: 2024, pp. 372–376. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85204313418&partnerID=40&md5=c6420ea4cb60e4eccefdb01631735864.

[26] 2024 Mina Yousef, Ghada Khoriba, and Tamer Arafa. "Optimizing Real-Time Data Processing in Resource-Constrained Environments: a Spark and Gpu-Driven Workflow for Large Language Models". In: 2024, pp. 116–121. DOI: 10.1109/FMLDS63805.2024.00032. URL: https://www.scopus.com/inward/record.uri?eid=2-s2.0-85219752528&doi=10.1109%2fFMLDS63805.2024.00032&partnerID=40&md5=adf05181d129d2a89c63b03c7ca3fda5.

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