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OJO, Adebola Kehinde

Personal Information

Date of Birth: 06th November, 1976.

Sex: Female

Marital status: Married, (3 Children).

State: Osun State

L.G.A: Obokun

Working Experience

Jan 2011 – Till Date: University of Ibadan, Department of Computer Science, Ibadan, Oyo State, Nigeria

Reader (2020 – till date)

- Teaching, Research & Educational Content Development

Research Areas: Digital Computer Networks, Data Mining, Data warehouse architecture, Text Mining, Computer Simulation and Cybersecurity.

October 2017 – September 2020: Senior Lecturer

October 2014 – September 2017: Lecturer I

January 2011 – September 2014: Lecturer II

Details of Teaching Experience:

Teaching and Research in Computer Networks

Data Ware-housing

Computer Organisation and Architecture

Computer Hardware

Digital Computer Logic Design

Programming Languages (FORTRAN, BASIC, C++, Python)

Operating Systems

Advanced Computer Architecture

Data Communications and Networking

Integrating the Information Systems Functions and Technologies

Concept of Object-Oriented Programming

Final Year student's project supervision

Other administrative work

Departmental Time-Table Coordinator

Course Adviser/Registration Officer

Assistant Undergraduate Project Coordinator

Member, Examination Committee

Member, Finance Committee

Member, Welfare Committee

- **Jan. 2007– Dec. 2010: Bowen University, Iwo, Osun State, Dept. of Computer & Information Technology**
Assistant Lecturer
 Teaching and Research in Computer Networks
 Computer Organisation and Architecture
 Computer Hardware
 Digital Computer Logic Design
 Programming Languages (FORTRAN, BASIC, C++)
 Operating Systems
 Final Year student’s project supervision
Other administrative work
 - Students Level Adviser/Coordinator
 - Departmental secretary
 - Departmental Imprest Officer
 - Student Association Adviser
 - Students Level Adviser/Coordinator

- **Jan. 2002 - Dec. '06: Idea Konsult Limited, Ibadan, Oyo State.**
Computer and Sales Engineer

Design, construction and operation of computer systems, both hardware and software.
 Maintenance and repairs of computer systems (both hardware and software). Research information regarding computer operating systems, operating systems, make changes to the specifications of these systems as required/requested by the customers. Collaborating with the Network Architect to work out the details involved with developing and implementing new network segments.

- (i) **Sept. 2001-Aug. '02:** Investment Banking and Trust Company Plc (IBTC) Chartered Bank, Ibadan Chartered Bank Plc. Ibadan, Oyo State.
 Assistant System Administrator and Marketer (NYSC)
 Computer system maintenance and marketing

Education

Higher Education institutions attended with dates

- | | |
|---|-----------|
| 1. University of Ibadan, Oyo State, Nigeria | 2010-2017 |
| 2. University of Ibadan, Oyo State, Nigeria | 2003-2005 |
| 3. Obafemi Awolowo University, Ile-Ife, Nigeria | 1997-2001 |

Academic Qualifications obtained with dates

- | | |
|---|------|
| 1. Ph.D. - Computer Science (Ibadan) | 2017 |
| 2. M.Sc. Computer Science (Ibadan) | 2005 |
| 3. B.Sc. Computer Engineering (Ile-Ife) | 2001 |

Publications

Thesis/Dissertation

1. Ojo, A. K. (2005): Knowledge Discovery in the Consumption and Payment Database of Nigeria Telecommunications: M.Sc. Project. University of Ibadan.
2. Ojo, A. K. (2017): Intelligent Text Mining Model for Characterisation and Trend Analysis in Academic Journal Publications: Ph.D. Thesis. University of Ibadan.

Published Papers in Refereed Conference Proceedings

1. Onifade, O. F. W., **Ojo, A. K.**, & Okiyi, K. U. (2008): “An Algorithmic Framework for Hybrid Adaptive Protocol (HAP) to manage Broadcast Storm problems in MANETs”. In proc. of 3rd Int’l conference on ICT Applications (AICTTRA), 21 – 25 Sept. 2008. Pp 185 – 194.
2. **Ojo, A. K.**, Emuoyibofarhe, O., Lala, O., Chukwuemeka C.U. and Emuoyibofarhe, J. (2009) An Electronic Shopping System with A Recommendation Agent. Conference: *Proceedings of the Second International Conference on Mobile e-Services (ICoMES 2009)*. 239-259pp.
3. **Ojo, A. K.**, & Onifade O.F.W., (2011): “Voice over IP Gateway for Internet Telephony”. In the proc. of *Int’l Conference on ICT for Africa 2011*, 23 – 26 March 2011, pp 169 - 178, Ota, Nigeria.
4. **Ojo, A. K.** and George, A. E. (2021). Optimal Clustering Algorithm for Knowledge Discovery in University of Ibadan Post Unified Tertiary Matriculation Examination. In Odumuyiwa, V., Oladejo B. Onifade O. and David, A. (Eds.). *Human-Data Interaction and Consequences in Artificial World: Proceedings of 4th Biennial Conference, Transition from Observation to Knowledge to Intelligence*. 19-20 August, 2021. Ibadan: ISBN: 978-978-991-399-2. 1-18pp. (Nigeria) (Contribution: 65%)

Published Papers in Journals

5. Onifade, O. F. W., **Ojo, A. K.**, & Akande, O. O. (2008): Angular Displacement Scheme (ADS): Providing Reliable Geocast Transmission for Mobile Ad-hoc Networks (MANETs). *International Journal of Computer Science & Network Security*, Vol. 8, No. 8, August, 2008. pp 334 – 339. http://paper.ijcsns.org/07_book/200808/20080847.pdf
6. Onifade, O. F. W., **Ojo, A. K.**, & Lala, O. G. (2008): Improving Node Reachability QoS During Broadcast Storm in MANETs using Neighbourhood Density Knowledge (NDK). *Journal of Computer Science and its Application*. Vol. 15, no. 2, pp 47 – 56
7. Onifade, O. F. W. and **Ojo, A. K.** (2012). Ensuring QoS with Adaptive Frame Rate and Feedback Control Mechanism in Video Streaming. *Journal of Computer Science and Its Applications* Vol. 19. No. 2: 38-44. <https://www.ajol.info/index.php/jcsia/issue/view/10083> . DOI: 10.4314/jcsia.v19i2.5
8. **Ojo, A. K.** and Adeyemo, A. B. (2013). Knowledge Discovery in Academic Electronic Resources Using Text Mining. *International Journal of Computer Science and Information Security* Vol. 11. No. 2: 10-19. [http://sites.google.com/site/ijcsis/ISSN 1947-5500](http://sites.google.com/site/ijcsis/ISSN%201947-5500)
9. **Ojo A.K.** and Adeyemo A.B. (2013). A Comparison of the Predictive Capabilities of Artificial Neural Networks and Regression Models for Knowledge Discovery. *Information Systems, Development Informatics and Business Management* Vol. 4. No. 2: 27-32. <http://www.iiste.org/Journals/index.php/CIS/article/view/12016>
10. Adeyemo A.B. and **Ojo A.K.** (2015). Improving Information Acquisition via Text Mining for Efficient E-Governance. *International Journal of Computational Linguistics Research* Vol. 6. No. 1: 23-29. http://www.dline.info/jcl/fulltext/v6n1/v6n1_4.pdf
11. **Ojo A.K.** and Adeyemo A.B. (2015). Trend Analysis in Academic Journals in Computer Science Using Text Mining. *International Journal of Computer Science and Information Security* Vol. 13. No. 4.: 84-88. [https://www.academia.edu/12133043/Trend Analysis in Academic Journals in Computer Science Using Text Mining](https://www.academia.edu/12133043/Trend_Analysis_in_Academic_Journals_in_Computer_Science_Using_Text_Mining)
12. **Ojo A.K.** and Adeyemo A.B., (2017). Characterisation of Academic Journal Publications Using Text Mining Techniques. *Journal of Computer Sciences and Applications* Vol. 5. No. 2.: 42-49. <http://pubs.sciepub.com/jcsa/5/2/1>
13. **Ojo A.K.** (2017). Projecting the Future Direction of Publication Patterns Using Text Mining.

14. **Ojo A.K.** (2017). Predictive Analysis for Journal Abstracts using Polynomial Neural Networks Algorithm. *International Journal of Computer Science Issues* Vol. 14. No. 4.: 29-34. www.IJCSI.org
15. **Ojo, Adebola K.** and Ohajinwa, Remy Sochi (2018). Self-Disciplinary Time-Restricted Smartphone Addiction Management System Using (Android) Mobile Technology. *International Journal of Computer Science and Control Engineering*. Vol. 6. No. 3: 30-39. <http://www.openscienceonline.com/journal/csce>
16. Woods, Nancy C., Agada, Virtue Ene and **Ojo, Adebola K.** (2018). Predicting Phishing Websites Using Support Vector Machine and Multi-Class Classification Based on Association Rules Techniques *University of Ibadan Journal of Science and Logics in ICT Research*. Vol. 2, No. 1: 28 – 39.
17. **Ojo, A. K.** and Ogundare, M. A. (2018). Offline Accessible System for Agricultural E-Commerce Using Unstructured Supplementary Services Data Application. *International Journal of Computer Science and Telecommunications* (ISSN: 2047-3338). Vol. 9, No. 6: 5-11. https://www.ijcst.org/Volume9/Issue6/p2_9_6.pdf
18. **Ojo, A. K.** and Olanrewaju, Ahmed B. (2019). Knowledge Discovery in Medical Database Using Machine Learning Techniques. *International Journal of Computer Applications*. Foundation of Computer Science (FCS). Vol.178, No. 35: 14-21 <https://www.ijcaonline.org/archives/volume178/number35/ojo-2019-ijca-919221.pdf>
19. **Ojo, A. K.** (2019). Improved Model for Detecting Fake Profiles in Online Social Network: A Case Study of Twitter. Formerly *British Journal of Mathematics and Computer Science* now *Journal of Advances in Mathematics and Computer Science*. Vol. 33, No. 4:1-17. <https://doi.org/10.9734/jamcs/2019/v33i430187> , <http://www.journaljamcs.com/index.php/JAMCS/article/view/30187>
20. **Ojo, A.K.** and Akinnifesi, A.S. (2019): Reduction in High Rate of Packet Drop in Reverse Adhoc On-Demand Distance Vector Routing Protocol Under Wormhole Attack in Mobile Adhoc Networks. *Computing, Information Systems, Development Informatics & Allied Research Journal*. Vol 10 No 3:1-8. Available online at www.cidijournal.org DOI Affix - <https://doi.org/10.22624/AIMS/CISDI/V10N3P1>. https://fcc08321-8158-469b-b54d-f591e0bd3df4.filesusr.com/ugd/185b0a_79c5d6a665574eaaa3395aeddb877abd.pdf
21. **Ojo, A. K.** and Ako, Ayito. (2019). Detection of Fake Product Reviews Using Bi-Directional Long Short-Term Memory and One-Dimensional Convolution Neural Network. *Egyptian Computer Science Journal, The Official Journal of The Egyptian Computer Society*. Vol. 43, No. 3: 103-114 ISSN-1110-2586. <http://ecsjournal.org/Archive/Volume43/Issue3/8.pdf>
22. **Ojo, A. K.** and Olanrewaju, A. B. (2019). Twitter Data Analysis of Ministries, Department and Agencies in Nigeria. *International Journal of Scientific and Engineering Research*. Vol. 10. No. 10. ISSN:2229-5518 <https://www.ijser.org/onlineResearchPaperViewer.aspx?Twitter-Data-Analysis-of-Ministries-Department-and-Agencies-in-Nigeria.pdf>
23. Amatare, Sunday A. and **Ojo, A. K.** (2020). Predicting Customer Churn in Telecommunication Industry Using Convolutional Neural Network Model. *IOSR Journal of Computer Engineering e-ISSN: 2278-0661, p-ISSN: 2278-8727*, Vol. 22, No.3:54-59, Ser. I (May - June 2020), DOI: 10.9790/0661-2203015459 <http://iosrjournals.org/iosr-jce/papers/Vol22-issue3/Series-1/H2203015459.pdf>
24. Olojakpoke, D. M. and **Ojo, A. K.** (2020). A Mobile Students' Industrial Work Experience Scheme Logbook Application. *Journal of Computer Sciences and Applications*. 8(1):15-20. DOI: 10.12691/jcsa-8-1-3 <http://www.sciepub.com/jcsa/abstract/11824>. <http://pubs.sciepub.com/jcsa/8/1/3/index.html>
25. **Ojo, A. K.** and Kolade, A. O. (2020). Long Term Evolution Coexistence with Wireless Fidelity in Unlicensed Spectrum Using Modified Blank Subframe Allocation Technique. *International Journal of Computer Science and Information Security*, Volume 18 No. 5: 99-105. ISSN 1947-5500.
26. **Ojo, A. K.**, Adebayo, A., Obe, O. and Oladunjoye, M. (2020). Development of English to Yoruba

Machine Translator, Using Syntax-based Model. *University of Ibadan Journal of Science and Logics in ICT Research, UIJSLICTR* Vol. 5 No. 1:77-88 June 2020 ISSN: 2714-3627

27. **Ojo, A. K.**, & Idowu, T. O. (2020). Improved Model for Facial Expression Classification for Fear and Sadness Using Local Binary Pattern Histogram. *Journal of Advances in Mathematics and Computer Science*, 35(5):22-33. <https://doi.org/10.9734/jamcs/2020/v35i530279>. <https://www.journaljamcs.com/index.php/JAMCS/article/view/30279>
28. **Ojo, A. K.** and Amoo-Onidundu, Adedoyin E. (2021) Predictive Analysis in Solar Kiln Drying of Wood using Recurrent Neural Networks. *International Journal of Applied Information Systems* 12(37):10-15. DOI: 10.5120/ijais2021451906. ISSN = 2249-0868. <https://www.ijais.org/archives/volume12/number37/1115-2021451906>
29. Olabanji B Olaide and **Ojo, A. K.** (2021). A Model for Conflicts' Prediction using Deep Neural Network. *International Journal of Computer Applications* 183(29):8-12. 10.5120/ijca2021921667. <https://www.ijcaonline.org/archives/volume183/number29/32111-2021921667>
30. Ogunsuyi, O. J. and Ojo, A. K. (2022) K-Nearest Neighbors Bayesian Approach to False News Detection from Text on Social Media. *International Journal of Education and Management Engineering*, Vol.12. No.4:22-32. DOI:10.5815/ijeme.2022.04.03
31. Okunlola, O. A. and **Ojo, A. K.** (2023). Performance Evaluation of Classification Algorithms on Academic Performance of Postgraduate Students. *International Journal of Computer Applications*. Vol.184. No.45:13-16. DOI:10.5120/ijca2023922522.
32. Oyeyemi, D. A., and **Ojo, A. K.** (2023). SMS Spam Detection and Classification to Combat Abuse in Telephone Networks Using Natural Language Processing. *Journal of Advances in Mathematics and Computer Science*, 38(10), 144–156. <https://doi.org/10.9734/jamcs/2023/v38i101832>
33. Virtue Ene Agada and **Adebola K. Ojo**. (2024). Improvement on Emotional Variance Analysis Technique (EVA) for Sentiment Analysis in Healthcare Service Delivery. *International Journal of Applied Information Systems*. Vol.12. No.44:10-16. DOI=10.5120/ijais2024451970

Published Books

Babatunde B. Adebayo, OlaOluwa S. Yaya and **Adebola K. Ojo** (2019). Supervised and Unsupervised Topic Modelling in Political Online-Community Forum: Analysis of Forum Post trends in Nigerian Online Community Website LAP LAMBERT Academic Publishing, Germany. ISBN 978-620-0-09268-7

Conferences Attended with Dates

- International Conference on Science and Sustainable Development in Nigeria, University of Ibadan, Nigeria. 13-17 May, 2013.
- International Conference of iSTEAMS Research Nexus 2013, University of Ibadan, Nigeria. May 30 – June 1, 2013.
- International Conference on Computer Science Research and Innovations (CoSRI 2015). ACM Ibadan-Nigeria Chapter in collaboration with the Global Centre for Information Technology Empowerment and Education (i-TEE), CoSRI 2015, University of Ibadan, 20-22 August 2015.
- 2nd International Conference on Scientific Research and Innovation in Nigeria, Faculty of Science, University of Ibadan, Ibadan. Nigeria. 16-20 March, 2015
- ACM International Conference on Computing Research and Innovations, University of Ibadan, 7-9 September, 2016.
- International Conference on Scientific Research in Nigeria. Diversification of Nigeria's Economy through Science, 16-19 May, 2017. Lakeside Lecture Theatre, Faculty of Science, University of Ibadan, Ibadan, 2017.
- 17th iSTEAMS Multidisciplinary Conference, with the theme Addressing Human-Centred Challenges Through Multidisciplinary Innovations and Inter-tertiary Collaborations 2019 taking place at the Balme Library Conference Room, University of Ghana, Legon, Accra, Ghana: July 28 - 31, 2019.
- International Conference on Information Technology in Education and Development (ITED 2021). Post-Pandemic Recovery and the 5th Industrial Revolution: A Focus on Developing Countries. University of Abuja:17-19 March, 2021.

- 54th Annual (Hybrid) Conference and 60th Anniversary Celebration of the Science Association of Nigeria “Oluyole 2021”. Securing the Nigerian Environment through Science, Technology and Innovation (STI). Faculty of Science Lakeside Lecture Theatre, University of Ibadan, Ibadan, Nigeria. 20-24 June, 2021
- 4th Biennial Conference, TOKI 2021: Transition from Observation to Knowledge to Intelligence. Human-Data Interaction and Consequences in Artificial World. Faculty of Science Lecture Theatre, University of Ibadan, Ibadan, Nigeria, August 19-20, 2021
- 5th International Conference on Scientific Research in Nigeria. Strengthening Scientific Research for National Development. Faculty of Science Lakeside Lecture Theatre, University of Ibadan, Ibadan, Nigeria. 2-5 May, 2023.

Supervised Projects

Completed M.Sc. Research Projects Supervised (18 in number till-date)

1. Agatha, Virtue (2017): Predicting Phishing Websites Using Support Vector Machine (SVM) And Multi-Class Classification Based on Association Rules (MCAR) Techniques
2. Adegboyega, Adebayo (2017): Development of English to Yorùbá Translator, Using Syntax-Based Model
3. Akinnifesi, Akintunde Samuel (2018): Performance Analysis of Reverse-AODV (Routing Protocol under Wormhole Attack in Mobile Ad-Hoc Network
4. Ako, Ayito (2018): An Improved Model for The Detection of Fake Products Reviews.
5. Olanrewaju, Ahmed (2018): Knowledge Discovery in Medical Database Using Data Mining Techniques
6. Adediran Adetoun Opeyemi (2018): Detection of Fake Profiles in Online Social Network Using Improved Support Vector Machine and Naïve Bayes. A Case Study of Twitter
7. Adenuga, Adekunle (2018): Development of Sales Forecasting Model Using Machine Learning Algorithms
8. Kolade, Akinbayode (2019): Coexistence of Long-Term Evolution with Wireless Fidelity In Unlicensed Spectrum
9. Amatare, Sunday (2019): Prediction Model for Customer Churn in a Telecommunication Industry Using Convolutional Neural Network
10. Idowu, Tope (2019): Improved Facial Expression Classification Using Sobel Filter And Discrete Cosine Transform
11. Olaide, Olabanji Babafemi (2020): Conflicts Prediction Using Deep Neural Network
12. Fadugba, Josiah Oluwanifemi (2020): Improved Book Recommendation System Using Hybridised Collaborative Filtering and Content-Based Filtering Algorithms
13. Amoo-Onidundu, Adedoyin (2021): ANN for Wood Drying Techniques Performance for Prediction
14. Evans, George Abi (2021): Performance Evaluation of Clustering Algorithms Using University of Ibadan Post Unified Tertiary Matriculation Examination
15. Ogunsuyi Opeyemi Janet (2022): KNN Bayesian Approach to False Information (Fake News) Detection from Text on Social Media
16. Okafor I. Jude (2022): Forecasting Nigerian Equity Stock Returns Using Long-Short Term Memory Technique.
17. Oketayo Abimbola (2022): Improved Privacy Protection Model for Prevention of Data Over-Collection In Smart Devices Using Machine Learning.
18. Okunlola Oluyemi Adewale (2022): Performance Evaluation of Classification Algorithms on Academic Performance Of Postgraduate Students.
19. Oyeyemi, Dare Azeez (2023): SMS Spam Detection and Classification to Combat Abuse In Telephone Networks Using Natural Language Processing
20. Alikali, Ojonugwa Justice (2023) A model for in-demand IT skills recommender system using text mining

On-going Research Supervision (M.Sc. - Titles not Fully Confirmed)

1. Ibitoye, Joshua Seyi (M.Sc. Student):
2. Fatokun, Hanat Yewande (M.Sc. Student):
3. Laniran, Pamilerin Samuel (M.Sc. Student):

4. Tiamiyu Sefiu Adekunle
5. Oyeniya Oluwaseun Ojukotimi
6. Onibonoje Stella Busayo

Professional Membership

- Computer Professionals of Nigeria (CPN) 003076/2011
- Nigeria Computer Society (NCS) (09068)
- Organisation for Women in Science for the Developing World (OWSD) (12509)

Research Interests

- Digital Computer Networks, Data and Text Mining, Computer Simulation and Datawarehouse architecture

Hobbies

- Reading, Driving and Listening to music.

Websites and Social Links

- <https://ibadan.academia.edu/AdebolaOjo>
- <https://www.researchgate.net/profile/Adebola-Ojo>
- <https://www.scopus.com/dashboard.uri?origin=NO%20ORIGIN%20DEFINED&zone=TopNavBar>
- <https://www.mendeley.com/reference-manager/library/all-references>
- <https://www.facebook.com/adebola.ojo.39>
- <https://publons.com/researcher/ABA-1085-2021>
- <https://orcid.org/0000-0002-3568-6597>
- https://twitter.com/adebola_ojo
- ADEBOLA K. OJO - Google Scholar: <https://scholar.google.com/citations?user=Vbny2sEAAAAJ&hl=en>
- <https://www.linkedin.com/in/adebola-k-ojo-6398359/?originalSubdomain=ng>

Referees

1. Prof. A. B. Adeyemo
Department of Computer Science,
University of Ibadan,
Ibadan, Nigeria.
2. Prof. S. O. Akinola
Department of Computer Science,
University of Ibadan,
Ibadan, Nigeria.
3. Dr. S. Osunade
Department of Computer Science,
University of Ibadan,
Ibadan, Nigeria.