

OYELAKIN, Akinyemi Moruff |

Google Scholar: <https://scholar.google.com/citations?user=O-xd20AAAAAJ&hl=en>

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PROFILE: I am a young academic with a wide range of experience in teaching, research as well as the development and support of Information Technology solutions. I have worked in different capacities as IT professional and academic for about eighteen years.

INTEREST: Machine Learning, Deep Learning, Security and Privacy, Computer Networks, Pattern Recognition, and Medical Image Analytics.

SKILLS: Analytical skills, Problem Solving skills, Sound Research Skills in Computing, IT Project Management, Computer Networking skills as well as Programming skills in Python, Java, PHP/MySQL, HTML, CSS, Java Script, C Language, Network Monitoring and Simulation.

WORK HISTORY

1. **Senior Lecturer**, Department of Computer Science, College of Information and Communication Technology, Crescent University, Abeokuta, Nigeria 2023 - Date
2. **Lecturer I**, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2022 - 2023
3. **Lecturer II**, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2018 - 2022
4. **Assistant Lecturer**, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2015 - 2018
5. **E-Tutor**, Centre for Open and Distance Learning, University of Ilorin, Ilorin, Nigeria 2021 - 2022
6. **Lecturer**, Sandwich Programme, Department of Science Education, Al-Hikmah University, Nigeria 2017 - Date
7. **Part Time Lecturer**, Institute of Education, Computer Science Sandwich Programme, University of Ilorin 2017 - 2021
8. **Senior Lecturer/Ag HOD**, Computer Science Department, Allover Central Polytechnic, Ota, Ogun State 2014- 2015
9. **Part Time Computer Science Lecturer**, Abraham Adesanya Polytechnic Iyana Ipaja Study Centre, Lagos 2012 - 2014
10. **Information Technology Solution Officer**, Dana Airlines Ltd, Lagos 2009 - 2012

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| 11. IT Desk Officer , GPR Oil Services, Ilupeju, Lagos | 2008 - 2009 |
| 12. Part Time Lecturer , Institute of Aviation and Maritime Studies, Lagos | 2008 - 2012 |
| 13. Software Solution Support Officer , Arek Technologies, Ikeja | 2008 - 2008 |
| 14. IT Officer /NYSC Assignment-PRS Unit, Bayelsa State SUBEB | 2007 - 2008 |

ADMINISTRATIVE AND LEADERSHIP EXPERIENCE

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|--|-------------|
| 1. Acting Dean, College of Information and Communication Technology, Crescent University, Abeokuta (CUAB), Nigeria | 2023 - Date |
| 2. Member, Committee on the 20th Founding Anniversary, CUAB | 2025 - Date |
| 3. Chairman, College of Information and Communication Technology (CICOT) Promotion Panel | 2024 |
| 4. ICT Consultant/Resource Person in Interview for the Appointment of Registrar, Federal College of Education, Osiele, Abeokuta, Nigeria | 2025 |
| 5. Member, Post Graduate School Research Project Guideline Development | 2024 - Date |
| 6. Member, CUAB Portal Development Committee | 2023 - Date |
| 7. Chairman, Committee on Computer-Based Test Centre Set Up at CUAB | 2024 - Date |
| 8. Chairman, College of Information and Communication Technology, CCMAS B.Sc. Cyber Security and Software Engineering Proposal Development Committee | 2023 - 2024 |
| 9. Member, University Quality Assurance Committee, CUAB | 2023 - Date |
| 10. Chairman, College Board of Examiners, College of Information and Communication Technology, CUAB | 2023 - Date |
| 11. Member of the Senate, Crescent University, Abeokuta, Nigeria | 2023 - Date |
| 12. Chairman, Postgraduate Board, College of Information and Communication Technology, CUAB | 2023 - Date |
| 13. Member, University Research and Inventions Committee, CUAB | 2023 - Date |
| 14. Team Lead, Data Communication, Security and Intelligent Systems Research Group, College of Information and Communication Technology, CUAB | 2023 - Date |
| 15. Chairman, Accreditation Committee, Department of Computer Science, CUAB | 2023 |
| 16. Member, University Quality Assurance Committee, Al-Hikmah University, Ilorin, Nigeria | 2023 - 2023 |
| 17. Member, University Research Grant Group, Al-Hikmah University | 2022 - 2023 |

18. Sub-Dean, Post Graduate School, Al-Hikmah University, 2021 - 2023
- Ensure adequate planning and successful conduct of more than twenty (>20) PhD oral examinations in the University during the 2022/2023 academic session
 - Perform supervisory and monitoring roles on all postgraduate programmes (PGD, Master's, and PhD) and academic activities in the University
 - Supervise all postgraduate (admission, course registration, result processing) portals in the University on behalf of the Dean
 - Coordinate and report to the Dean all activities leading to the Abstract, Thesis Title, Registration, and Oral Examination of PhD candidates in all disciplines in the University
 - Carried out academic, administrative, and technical roles for the Abstract and Thesis Title Registration, successful defense, and award of PhD degrees at Al-Hikmah University, Ilorin, Nigeria (the first set of PhD Degree results in the University were approved under this arrangement)
 - Drafted the guidelines that were approved by the PG School Board of Examiners for PhD Abstract and Title Registration approval at Al-Hikmah University, Ilorin
 - Drafted the guidelines that were approved by the PG School Board of Examiners for PhD Protocol approval at Al-Hikmah University, Ilorin, Nigeria
 - Provide day-to-day support to students and staff on academic and administrative postgraduate activities in the University
 - Ensure quality assurance for all postgraduate projects, master's dissertations, and theses in the University
 - Handles matriculation and graduation issues with the use of the enterprise applications of the University
 - Ensure adequate planning and successful conduct of the first four PhD examinations in the University during the 2021/2022 academic session
 - Drafted yearly PG School academic calendar to be approved by the PG School Board
 - Represent and provide support to the Dean of PG School in the day-to-day running of the affairs of the postgraduate school
19. Member, Committee on the drafting of Departmental CMP, CYB, INS, and SENCCMAS Curricula at Al-Hikmah University as required by NUC 2023
20. Member, Post Graduate School board of examiners, Al-Hikmah University 2021 - 2023
21. Member, Faculty Post Graduate board of examiners, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2022 - 2023
22. Member, Departmental Post Graduate Board, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria 2021 - 2023

23. Secretary, Postgraduate School Board, PG Programme Curriculum Review Committee
2022 - 2023
24. Post Graduate Coordinator, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University, Ilorin, Nigeria
2021 - 2023
 - Drafted the departmentally approved curriculum of MPhil/PhD in Computer Science
 - Drafted the departmentally approved curriculum of the PhD in Computer Science
 - Coordinates all postgraduate activities in the department on behalf of the HOD and Departmental Board of Examiners
25. 200 Level Adviser, Department of Computer Science
2022 - 2023
26. 100 Level Adviser, Department of Computer Science
2021 - 2022
27. Unit Coordinator, B.Sc. Cyber Security Programme, Department of Computer Science, Al-Hikmah University, Ilorin, Nigeria
2020 - 2023
28. Unit Coordinator, Software Engineering Programme, Department of Computer Science, Al-Hikmah University
2020 - 2022
32. Exam Officer, Department of Computer Science, Faculty of Natural and Applied Sciences, Al-Hikmah University
2020 - 2022
33. Facilitator, e-learning Material Preparation Programme for Al-Hikmah University academic Staff
2020
34. Research Soft Skills Facilitator, Centre for Research, International and Industrial Linkage, Al-Hikmah University
2019
35. Chairman, Library Committee, Department of Computer Science, Al-Hikmah University, Ilorin
2020 - 2021
36. Coordinator, B.Sc. (Ed) Computer Science Programme, Al-Hikmah University
2015 - 2020
37. Departmental SIWES Coordinator, Al-Hikmah University, Ilorin
2016 - 2019
38. 300 Level Adviser, Al-Hikmah University
2018 - 2019
39. 200 Level Adviser, Al-Hikmah University
2017 - 2018
40. 100Level Adviser, Al-Hikmah University
2016 - 2017
41. Ag. HOD/Senior Lecturer, Department of Computer Science, Faculty of Science and Technology, Allover Central Polytechnic, Ota, Ogun State, Nigeria
2014 - 2015
42. Member, Staff Disciplinary Committee, Allover Central Polytechnic
2014 - 2015

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43. Chairman, Admission Steering Committee, Allover Central Polytechnic 2014 - 2015
44. Member, Academic Board, Allover Central Polytechnic 2014 - 2015
45. Member, Exam. Malpractices Investigation Panel, Allover Central Polytechnic 2014- 2015
46. Member, Monitoring Committee on Attendance at Lectures, Allover Central Polytechnic
2014 - 2015
47. Member, Student Industrial Training Coordinating Unit Committee, Allover Central Polytechnic
2014 - 2015
48. Student advisor, Department of Computer Science, Allover Central Polytechnic 2014 - 2015
49. Coordinator, ICT Centre, Allover Central Polytechnic 2014 - 2015
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TEACHING AND RESEARCH EXPERIENCE

- Seventeen (17) years of teaching experience
- Supervised over 60 undergraduate and postgraduate students
- Currently, I have fifteen (15) undergraduate students under my supervision.

Courses taught at the undergraduate level in the last five years

| Course Code | Course Title |
|---------------|---|
| CPS423 | Introduction to Software Engineering (3) |
| CPS509 | Information Theory and Data Communication |
| CPS316 | Compiler Construction |
| CPS318 | Introduction to Research Methodology |
| CYB403 | System and Network Vulnerability (3) |
| INS403 | System Integration and Architecture (3) |
| CMP321 | System Analysis and Design (3) |
| CMP403 | Introduction to Software Engineering (4) |
| SEN201 | Introduction to Software Engineering (3) |
| SEN102 | Principles of Programming I (3) |
| SEN414/CYB402 | Fault Tolerant Computing (3) |

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| CMP102 | Introduction to Problem Solving (3) |
| CMP201 | Computer Programming I (3) |
| CMP333 | Computational Science and Numerical Methods (3) |
| CMP204 | Fundamentals of Data Structure (3) |
| CYB305 | Biometric Security (2) |
| CYB309 | Systems Security (3) |
| CYB403 | Vulnerability Assessment and Penetration Testing (3) |
| INS205 | Application Design and Development (2) |
| SEN102 | Principles of Programming I (3) |
| SEN208 | Algorithm Design and Complexity Analysis (2) |
| SEN414/CYB402 | Fault Tolerant Computing (3) |
| CMP332 | Survey of Programming Languages (4) |
| SEN102 | Principles of Programming I(3) |
| CMP401 | Organisation of Programming Languages (3) |

Courses taught at the postgraduate level in the last five years

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| CMP705 | Operating Systems (3) |
| SCI802 | ICT and Research Methodology (2) |
| CMP706 | Computer Architecture (2) |
| SCI802 | ICT and Research Methodology (2) |
| CMP805 | Computer Communication and Networks (3) |
| SCI802 | ICT and Research Methodology (2) |
| CMP905 | Advanced Computer Communication and Networks (3) |
| CMP722 | Data Communication and Networks (2) |
| CPS905 | Special Topics in Computer Networks and Data Communications |
| CPS707 | Advanced Computer Graphics (3) |
| CPS609 | Compiler Techniques (3) |
| CPS717 | Advanced Computer Architecture (3) |
| CPS930 | Advanced Research Methodology (3) |

Postgraduate students' supervision (*Completed*)

1. Akingbade Wasiu (200605CMP001), Spam Email Detection using Supervised Machine Learning Techniques, Postgraduate Diploma in Computer Science

2. Aremu Taofeek Bolaji (210605CMP003), Single and Ensemble Models for the Classification of COVID-19 Disease in patients, a study leading to the award of Postgraduate Diploma in Computer Science.
3. Olakanmi Oluwagbemiga Joseph (210605CMP005). A Web-Based Food Ordering and Payment System (A Case Study of Alata Food and Honey, Ogbomoso, Oyo State), a study leading to the award of Postgraduate Diploma in Computer Science
4. Yusuf Soliu (210603CMP005), A Naïve Bayes based Model for the Classification of Attacks in Cloud Computing Environment, a study leading to the award of Master of Science in Computer Science
5. Adeniyi Usman Adedayo (12/03CS124). Performance Evaluation of Random Forest and Adaboost Learning Models for the Classification of Attacks in Internet of Things (IoTs), a study leading to the award of Master of Science in Computer Science
6. Bello Salma (220605CMP004). Online Customer Recommendation System based on Purchase Historical Records, a study leading to the award of Postgraduate Diploma in Computer Science.

Ongoing supervision

1. Saka Badirat A.-(A PhD Supervisee-PG/23/S5230202001) Researching into security issues in Next Generation Networks and how to use Artificial Intelligence Approaches for addressing the security issues
2. Adesina Aminat Abiodun (M.Sc. Supervisee: PG/23/S4230202002) Optimized machine learning models for the classification of attacks in zero trust architecture-based Network
3. Fayemi Olufemi (M.Sc. Supervisee: PG/23/S221202008) Novel Machine Learning Techniques for the prediction of Vehicular Traffic in Wireless Sensor-powered Traffic Control System
4. Adam A. A. (A PhD Supervisee-PG/24/S5230202001). A Multi-Level Machine Learning-based Security Approach to Protect against Attacks in Industrial Internet of Thing
5. Akee A. S. (A MPhil/PhD Supervisee-PG/24/S5230202002). Cyber Intelligence Project in Cloud Infrastructure based on Multi Factor Authentication and Encryption techniques.

PROJECTS

1. Botnet Malware Classification in real-life high class imbalance datasets using Machine Learning Techniques (Completed)
2. Studies on Classification of attacks in large real-life data, cloud platforms, Internet of Things and next generation networks using Machine Learning Techniques (Ongoing)
3. Machine Learning-based Phishing attacks detection based on url features (Completed)
4. On the Applications and Deployments of Mobile Computing solutions in real-life environments (Ongoing)

5. Machine Learning-based Analytics and Building of Big Data from Computer Networks and Social Media Platforms (Ongoing)
 6. Development of Custom Software Solutions for solving problems in educational settings (Ongoing)
 7. Towards building Smart Environments: Application areas and suitable security strategies (Ongoing)
 8. Machine Learning-based techniques for Classification and Time Series problems in Health Sector (Ongoing)
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EDUCATION AND CERTIFICATION

University of Ilorin, Nigeria

PhD in Computer Science 2016 - 2021

Thesis:: Improved Ensemble Machine Learning-based Models for Botnet Classification in High Imbalance Real-Life Netflow Traces

Al-Hikmah University, Ilorin, Nigeria

Post Graduate Diploma in Education 2016 - 2017

University of Lagos, Akoka, Lagos, Nigeria

MSc in Computer Science 2011 - 2014

Dissertation: Optimisation of Network Planning in GSM Network using Particle Swarm Optimisation Algorithm

University of Ilorin, Ilorin, Nigeria

BSc Hons. in Computer Science 2003 - 2006

Dissertation: Design and Implementation of Geographical Information System for University of Ilorin, Ilorin, Nigeria

Training and Certification on Introduction to Data Analytics 2024

Training and Certification on PowerBI for Data Analytics 2024

IBM Master of Application Security, IBM West Africa 2017

Microsoft Certified Server Administrator (MCSA), Microsoft Corporation, USA 2010

Microsoft Certified Professional (MCP), Microsoft Corporation, USA 2009

Diploma (Distinction Classification) in Computer Science, Federal Polytechnic, Offa, Nigeria 2002

PUBLICATIONS (*Journal Articles*)

1. Ayinla M. O., Oyelakin A. M., Adeniyi U. A., Tajudeen K. O. & Olaleye O. J. (2025). Detailed Analyses and Efficient Identification of Malware Evidence in CLaMP Dataset based on Machine Learning Approaches, *International Journal of Computer and Information Technology*, 14(1), 1-7
2. Jimoh R. G. & Oyelakin A. M. (2025). On the Comprehensive Analyses of CTU-13 Botnet Dataset for Cyber Security Researches, *Indonesian Journal of Data Science*, 3(1), 13-23, <https://ejournal.unjaya.ac.id/index.php/ijds/article/view/1554>
3. Oyelakin A. M., Sanni S. A., Adegbola I. A., Salau-Ibrahim T. T., Bakare-Busari Z. M., & Saka B. A. (2025). Novel Machine Learning Approaches for Identifying Attacks in IoT based Smart Home Environment, *MECS International Journal of Wireless and Microwave Technologies*, 41-50, <https://www.mecspress.org/ijwmt/ijwmt-v15-n2/v15n2-4.html>
4. Falana J. B. & Oyelakin A. M. (2024). Development of a Custom Technical Incident and Spare Part Management System for Effective Telecom Network Service Delivery, *International Journal of Information Technology and its Utilization*, 7(1):27-35
5. Lamidi, L., Oyelakin, A. M., & Akanbi, M. B. (2024). A Survey on Machine Learning Techniques for The Prediction of Solar Power Production. *Indonesian Journal of Data and Science*, 5(2).109-114, <https://doi.org/10.56705/ijodas.v5i2.130>
6. Odeyale K. M., Oyelakin A. M., Salau-Ibrahim T. T. & Saka M. K. (2024). Support Vector Machine Credit Card Fraud Detection Model based on High Imbalance Dataset, *Journal of Computers for Society* 5(2), 85-94, DOI: <https://doi.org/10.17509/jcs.v5i2.70802>
7. Oyelakin A. M., Saka B. A., Bakare-Busari Z.M., Olaleye O. J., Akee S. A., Yisa F. I., Lasisi I. O., Adam A. A. & Adebisi-Sodunke A. A. (2024). Tree-based Machine Learning Ensembles and Feature Importance Approach for the Identification of Intrusions in UNRID Dataset, *Indonesian Journal on Data Science*, May 2024, 2(1).1-9
8. Musa, U. B., & Oyelakin A. M (2024). A Survey of Approaches for Designing Course Timetable Scheduling Systems in Tertiary Institutions. *Journal of Systems Engineering and Information Technology (JOSEIT)*, 3(1), 1-6. <https://doi.org/10.29207/joseit.v3i1.5609>
9. Olomu J. O., Oyelakin A. M. Ayinla O. M. & Ibrahim H. A. (2024). A Review on Attack Landscape and Machine Learning Techniques for the Classification of Attacks in Internet of Medical Things (IoMT)1, *LAUTECH Journal of Computing and Informatics (LAUJCI)* – ISSN: 2714-4194, Volume 4. No.1, March 2024

9. Ayinla O. M., Oyelakin A. M. & Olomu J. O. (2024). A Comprehensive Review on Machine Learning Techniques for the Identification of Ransomware Attacks in Networks, LAUTECH Journal of Computing and Informatics (LAUJCI) – ISSN: 2714-4194 Volume 4. No.1, March 2024
10. Oyelakin A.M. (2024). An Investigation into the Awareness Level of University Undergraduates on Cyber Incident Reporting and Response in Kwara State. Malaysian Journal of Applied Sciences, 9(1), 1-9
11. Adeniyi U. A. & Oyelakin A. M. (2023). A Survey on Promising Datasets and Recent Machine Learning Approaches for the Classification of Attacks in Internet of Things, Journal of Information Technology and Computing, <https://jitc.sabapub.com>, 4(2): 31– 38, DOI:10.48185/jitc.v4i2.890
12. Oyelakin A. M. & Jimoh R. G. (2023). Tree-Based Learning Models for Botnet Malware Classification in Real Life Sub-Sample Dataset, Innovative Computing Review, published by the School of Systems and Technology (SST), University of Management and Technology (UMT), Lahore, Pakistan, 3(2), 1-13, Dec. 2023
13. Oyelakin A. M., Akanbi M. B., Ogundele T. S., Akanni A. O., Gbolagade M. D., Rilwan M. D., Jibrin M. A. (2023). A Machine Learning Approach for the Identification of Network Intrusions Based on Ensemble XGBOOST Classifier, Indonesian Journal of Data and Science, <https://jurnal.yoctobrain.org/index.php/ijodas/article/view/88/167>
14. Jimoh R. G., Oyelakin A. M., Abikoye O. C., Akanbi M. B., Gbolagade M. D., Akanni A. O., Jibrin M. A. & Ogundele T. S. (2023). Efficient Ensemble-based Phishing Website Classification Models using Feature Importance Attribute Selection and Hyper parameter Tuning Approaches, Journal of Information Technology and Computing, 2023 Volume 4, Issue 2: 1 – 10 DOI: 10.48185/jitc.v4i2.891
15. Oyelakin A. M., Ameen A. O, Ogundele T.S, Salau-Ibrahim T. T., Abdulrauf U.T, Olufadi H.I, Ajiboye I.K, Muhammad-Thani S., & Adeniji I. A. (2023). Overview and Exploratory Analyses of CICIDS 2017 Intrusion Detection Dataset, Journal of Systems Engineering and Information Technology (JOSEIT), 2(2), 45-52. <https://doi.org/10.29207/joseit.v2i2.5411>
16. Oyelakin A. M., Salau-Ibrahim T. T., Ogidan B. S. & Olufadi H., Yusuf S. A. & Adeniji I. A. (2023). Spam Email Detection Scheme Based on Random Forest Algorithm, Lautech Journal of Informatics and Computing, a publication of Faculty of Informatics, Ladoke Akintola University of Technology, Ogbomosho, Nigeria, 3(1), 87-97. <https://laujci.lautech.edu.ng/index.php/laujci/article/view/72>
17. Aremu T. B., Oyelakin A. M., Akanbi M. BB., Sulaimon H. F. & Odeyale K. M. (2022). Machine Learning Techniques for Early Classification of COVID-19 Disease in Patients, Journal of Information Communication Technologies and Robotic Applications, 13(1), 8-14

18. Ameen A. O., Oyelakin A. M., Ajiboye I. K., Olatinwo I. S., Obiwusi K. Y. & Ogundele T. S. (2022). Evaluating the Performances of Heterogeneous and Homogeneous Ensemble-based Models for Twitter Spam Classification, *Innovative Computing Review*, published by the School of Systems and Technology (SST), University of Management and Technology (UMT), Lahore, Pakistan, 2(1)
19. Oyelakin A. M., Ogidan Bolaji, Olufadi H.I., Raheem-Giwa Aolat, Buraimah O. H. & Rilwan D.M. (2022). A Study on Lung Cancer Identification Using Extra Trees-Based Model, *Journal of Computer Science and Control Systems*, 15(1), 9-13, a publication of Oredia University Oredia, Romania, https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSCS_V15_N1_MAY_2022/JCSCS%20VOL%2015%20NO%201%20MAY%202022%20Oyelakin_A_Study.pdf
20. Oyelakin A. M (2022). Increased Digital Literacy Skills as a Catalyst for Driving Nigerian Digital Economy- An Overview, *Malaysian Journal of Applied Sciences*, 7 (1): 52-57, DOI: <https://doi.org/10.37231/myjas.2022.7.1.316>
21. Oyelakin A. M., Muhammad-Thani S., Salau-Ibrahim T. T., Rilwan D. M. (2021). Performance Analysis of Selected Machine Learning Algorithms for the Detection of Cervical Cancer Based on Behavioral Risk Dataset, *International Journal of Information Security, Privacy and Digital Forensics (IJIS)*, a Journal of Nigeria Computer Society, <https://library.ncs.org.ng/journal-of-information-security-privacy-and-digitalforensic-volume-5-no-1-june-2021/>
22. Rilwan D. M., Oyelakin A. M, & Usman M, A. (2021). Design and Implementation of a Custom, Web-Based Cooperative Loan Application Management System (A Case Study of ASCHIRT Cooperative), *Equity Journal of Science and Technology*, a Tetfund-funded Journal of Kebbi State University, Aliero, Kebbi State, 8(1), 1-7, available at [141608654091.pdf](https://ejmanager.com/141608654091.pdf) (ejmanager.com)
23. Oyelakin A.M. & Jimoh R.G. (2021), A Survey of Feature Extraction and Feature Selection Techniques Used in Machine Learning-Based Botnet Detection Schemes, *VAWKUM Transactions on Computer Sciences*, 9 (2021), 1-7, available at <https://vfast.org/journals/index.php/VTCS/article/view/604/658>
24. Oyelakin A. M., Olatinwo I. S., Rilwan D. M., Azeez R. D. & Obiwusi Y. K (2021). Investigation into the Performances of Supervised Learning Algorithms in different Phishing Datasets, *Pakistan Journal of Engineering Technology and Science (PJETS)*, 9(2), 24-32
25. Oyelakin A. M., Alimi M. O., Mustapha I.O. & Ajiboye I. K. (2021). Analysis of Single and Ensemble Machine Learning Classifiers for Phishing Attacks Detection. *International Journal of Software Engineering and Computer Systems*, 7(2), 44–49, Faculty of Computing, College of Computing and Applied Sciences, Universiti Malaysia Pahang, <https://doi.org/10.15282/ijsecs.7.2.2021.5.0088>

26. Oyelakin A. M. (2021). A Model for the Classification of Breast Cancer using Random Forest Algorithm, Daffodil International University (DIUJST) Journal of Science and Technology, 16(2),1-5
27. Oyelakin A. M., Agboola R.O., Abdullah F. & Yusuf S.A. (2021). Students' Perception Towards the Design of Custom Computer Aided Instruction Solution for Teaching and Learning of Undergraduate Physics, Amity Journal of Computational Sciences, Amity University, India, 4(2), available at <https://amity.edu/UserFiles/aijem/1432.pdf>
28. Oyelakin A. M., Salau-Ibrahim T. T., Ogidan B. S., Azeez R. D, & Ajiboye I. K. (2020). On the Use of Machine Learning Techniques for Predicting Covid-19 Cases-An Overview of Evolving Datasets and their Promising Features, Anale. Seria Informatică. Vol. XVIII fasc. 2–2020, 165-169, available at <https://anale-informatica.tibiscus.ro/download/lucrari/Vol18/18-2-27-Oyelakin.pdf>
29. Oyelakin A.M. & Jimoh R.G. (2020). Towards Building an Improved Botnet Detection Model in Highly Imbalance Botnet Dataset-A Methodological Framework, Middle East Journal of Applied Science & Technology, 3(1), January - March 2020, available at <http://mejast.com/towards-building-an-improved-botnet-detection-model-in-highlyimbalance-botnet-dataset-a-methodological-framework.html>
30. Oyelakin A.M. & Jimoh R.G. (2020). The Paradigm Shift of Centralised Botnets to Decentralised DGA-Botnets in the Underground Cyber Economy: An Overview, Journal of Computer Science and Control Systems, Faculty of Engineering and Computer Science, Oredia University, Romania 13(1), 48-51, available at https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSC_V13_N1_may2020/JCSCS_VOL_13_NO_1_MAY_2020_Oyelakin_The_Paradigm.pdf
31. Oyelakin A. M., Alimi O. M. & Abdulrauf T. (2020). Performance Analysis of Selected Machine Learning Algorithms for the Classification of Phishing URLs, Journal of Computer Science and Control Systems, 13(2),16–19, available at https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JCSCS/JCSC_V13_N2_oct2020/JCSCS_VOL_13_NO_2_OCTOBER_2020_Oyelakin_Performance.pdf
32. Oyelakin A. M., Agboola R. O., Abdullahi F.& Yusuf S. A. (2020). A Study on the Comparative Analysis of Manet Routing Protocols in Nomadic Community Scenario, Amity Journal of Computational Science, Amity University, India, 4 (1), available at 118Paper 2.pdf (amity.edu)
33. Oyelakin A. M., Salau-Ibrahim T.T., Ogidan B.S., Azeez R.D. & Ajiboye I.K. (2019). Peer-to-Peer Botnets: A Survey of Propagation, Detection and Detection Evasive Techniques, Fulafia Journal of Science and Technology, a Tetfund-funded Journal of Federal University, Lafia, Nassarawa State, Nigeria, 5(3):13-18

34. Oyelakin A. M. & Olanrewaju M.J. (2016). Towards a Secure Adoption of Bring Your Own Device (BYOD) Policy in Nigerian Corporate Organisations, *Computing, Information Systems, Development Informatics & Allied Research Journal* 7(3):1-6
35. Oyelakin A. M. (2016). Implementation of ICT-Based Learning Tools in Nigerian Universities: Challenges and Prospects, *Al-Hikmah Journal of Education* 3(1):311-316
36. Oyelakin A. M. (2016). Integration of Wireless Connectivity for Classroom Learning: Bluetooth Short Range Communication as an Enabler, *Al-Hikmah Journal of Education* 3(2):355-361

Published Chapters in Books

37. Jimoh R.G.& Oyelakin A.M. (2017). Achieving Knowledge Management Functionalities in the emerging Technology-driven Society using Information Technology, in Abdulsalam N. and Abdulraheem A.M.O. (Eds.), *History and Philosophy of Science*, 165-175.

Conference Proceedings

38. Idowu A. O. & Oyelakin A. M. (2025). A Methodological Framework Towards an Effective Design of IoT based Water Tank Monitoring and Notification System in a University Campus, An Article in the Proceedings of the 2025 Conference of Consortium of Islamic Faith-Based Universities in South West and Kwara State held at Fountain University, Osogbo, Nigeria
39. Oyelakin A. M., Dauda R. M., Orunsolu A. A., & Adeniyi U. A. (2024). On the Emergence of Zero Trust Architecture in Enterprise Networks-A Survey on Implementation Methods, Strengths and Open Problems, Nigeria Computer Society, SmartEco 2024 Conference, Port Harcourt, Nigeria
40. Orunsolu A. A., Sodiya A. A., Aliyu M. S., Oyelakin A. M., Adebayo A. A., Ola S., & Adetona A. (2024). A Smart Validation Architecture for Computer-Based Examination, Nigeria Computer Society, SmartEco 2024 Conference, Port Harcourt, Nigeria
41. Jimoh R. G., Oyelakin A. M. Olatinwo, I. S., Obiwusi Y. K., Muhammad-Thani S., Ogundele T. S., Giwa-Raheem A. & Ayepeku O. F. (2022). Experimental Evaluation of Ensemble Learning-Based Models for Twitter Spam Classification, 2022 5th Information Technology for Education and Development (ITED) conference, held at Nile University, Abuja, Nigeria
42. Oyelakin A. M. & Jimoh R.G. (2019). A Review on the Identification Techniques for Detection-Evasive Botnet Malware, in the Proceedings of Nigeria Computer Society (NCS), July 2019 International Conference of NCS, Gombe, Gombe State, Nigeria

43. Oyelakin A.M. & Jimoh R.G. (2018). An Investigation into Packet routing in Mobile Ad-hoc Network using a Nomadic Community Scenario, in the proceedings of 1st International conference of Faculty of Communication and Information Sciences, University of Ilorin, Ilorin, Nigeria, April 2018, 647-657
44. Oyelakin A.M. & Jimoh R.G. (2018). Simulation of Mobile Ad-hoc Network and its Applicability in Academic Scenario, in proceedings of 10th iSTEAM Multi-Disciplinary Conference, February 2018 Conference, Delta State Polytechnic, Ogwuashi-uku, Delta State, Nigeria, 679-687
45. Oyelakin A.M. & Jimoh R.G. (2017). Towards Adopting Nomadic Computing to Promote Nomadic Education in Nigeria: An Overview of Technical Issues, in the proceedings of 11th International Multi-Conference on ICT Applications (AICTTRA), Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, AICTTRA 2017, 56-61
46. Oyelakin A.M. & Jimoh R.G. (2017). A Survey on Mobility Model, Application Scenario and Simulation of Mobile Ad-Hoc Networks, in the proceedings of 11th International Multi-Conference on ICT Applications (AICTTRA), Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, AICTTRA 2017, 128-134
47. Oyelakin A. M. (2014). Spear Phishing Email Attack on Nigerian Bank Account Holders: Online Awareness to the Rescue, in the proceedings of ISTEAM Conference 2014, Afe Babalola University, Ado Ekiti, Nigeria, 185-188

Just Accepted Manuscripts

48. Oyelakin A. M. (2024). A Survey on the Recent Face Morphing Attack Detection Techniques based on Biometric Datasets, Malcom Indonesian Journal of Machine Learning and Computer Science, published by Institut Riset Dan Publikasi Indonesia, Jl. Tuah Karya Ujung C7. Kel. Tuah Madani Kec. Tampan Kota Pekanbaru-Riau

Articles Under Review

49. Oyelakin A. M., Lawal A. F. , Lasisi I. O., Saka B. A., Omisore A. A. (2025). A survey on machine learning-based techniques for sentiment analysis in online social networks, Innovative Computing Review Journal

CONFERENCES AND WORKSHOPS

1. Nigeria Computer Society International Conference, Dr. Obi Wali International Conference Centre, Port Harcourt, Nigeria August 2024
 2. Facilitator, Virtual Training on Tips and Tricks of carrying out Academic Research, College of Information and Communication Technology, Crescent University, Abeokuta, 2023
-

3. A One-Day Workshop for Academic Staff on Publication and Research Grants, organised by Al-Hikmah University, Ilorin, December 2022
4. A One-Day Seminar on How to Publish in High Impact Journals, Mewar International University, Kano, Nigeria, April 2022
5. A Two-Day Workshop on Professional Skill and Courseware Development for Teaching Effectiveness in the University, organized by CRIIC Al-Hikmah University, Ilorin, March 2022
6. A Two-Day Training Workshop on Professional Skill and Courseware Development, Teaching Strategies for Teaching Effectiveness in the University System, Centre for Research, Industrial Linkage and International Cooperation, Al-Hikmah University, March 2022
7. A-Day Training Workshop on Funding Research and Development, Centre for Research, Industrial Linkage and International Cooperation, Al-Hikmah University, December 2021
8. A-Day Training Workshop on Learning Materials Development, Centre for Open and Distance Learning, Al-Hikmah University, November 2021
9. A-Day Workshop on Instructional Video Production Centre for Open and Distance Learning, University of Ilorin, 2021
10. CRIIC, Al-Hikmah University International Conference, December 2020
11. CRIIC, Al-Hikmah University online webinar on Winning International Research Grants August 2020
12. CRIIC, Al-Hikmah University online webinar on Practical Approaches to Strategies on Winning International Research Grants, October 2020
13. CRIIC, Al-Hikmah University online webinar on Strategies for Winning International Research Grants September 2020
14. CRIIC, Al-Hikmah University Workshop on Pedagogy November 2020
15. A Five-Day Workshop on Courseware Writing, Centre for Open and Distance Learning, University of Ilorin, 2019
16. Faculty of Communication and Information Sciences, University of Ilorin, PhD Research workshop 2019
17. 1st National Conference of Faculty of Education, Al-Hikmah University, Ilorin April-May 2019
18. 2019 Workshop on IT Research Grants/Business Proposal organized by Nigeria Computer Society, Kwara State Chapter April 2019
19. 27th National Conference of Nigeria Computer Society (NCS), Ibadan, Nigeria, July 2018

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20. 1st International Conference, Faculty of Communication and Information Science, University of Ilorin, Ilorin, Nigeria, April 2018
 21. 10th iSTEAM Honour Conference, Delta State Polytechnic, Ogwuashi-uku, Delta State, Nigeria February 2018
 22. A Two-Day Workshop On Pedagogy, Measurement and Evaluation, Al-Hikmah University, Ilorin, February 2018
 23. 11th International Multi-Conference on ICT Applications (AICTTRA), Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, November 2017
 24. A 5-Day IBM Application Security Training, University of Ilorin, Ilorin July 2017
 25. 26th National Conference of Nigeria Computer Society (NCS), Abuja, Nigeria, July 2016
 26. 3rd iSTEAM Conference, Afe Babalola University, Ado-Ekiti, Nigeria, May 2014
 27. Technical Training on Airline Management System, Dana Airlines, Lagos 2011
 28. Aviation Safety Course for Technical Staff- Dana Airlines Ltd, Lagos. 2011
 29. NACOSS Information Technology for NEEDs Conference, University of Ilorin 2005
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VOLUNTEERING AND PROFESSIONAL SERVICE

1. Research Article Reviewer, 2025 Nigeria Computer Society ConNovate International Conference in Kano State, Nigeria 2025
 2. Research Article Reviewer, Journal of Advances in Information Technology, Website: <http://www.jait.us/>, 2025 - Date
 3. Facilitator, Research Writing and Data Analysis Workshop for Final Year Students at Crescent University, Abeokuta, Nigeria, January 2025
 4. Delivery of Lecture titled “Tech Careers and Communities” at the Freshers’ Orientation Programme of the National Association of Computing Students, Crescent University, Abeokuta, Nigeria, January 2025
 5. Research Article Reviewer, Proceedings of 2024 NCS SMARTECO Conference, Nigeria Computer Society, Ikeja, Nigeria.
 6. Delivery of Lecture titled “Towards Knowing the Specialized Areas of Computer Science” at the Freshers’ Orientation Programme of National Association of Computing Students, Crescent University, Abeokuta, Nigeria, February 2024
 7. Research Article Reviewer, Proceedings of 2023 NCS Conferences, Nigeria Computer Society, Ikeja, Nigeria.
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8. Free Virtual Training on How to Search for Literature and Carry out Literature Review in Computing Researches for MSc. Computer Science Students, Al-Hikmah University, Ilorin, Nigeria, 2023
 9. Journal Research Article Reviewer, International Journal of Business Intelligence and Data Mining, published by InderScience, 2024 - Date
 10. Journal Research Article Reviewer, Innovative Computing Review, published by the School of Systems and Technology (SST), University of Management and Technology (UMT), Lahore, Pakistan, 2022 - Date
 11. Chairman Security Committee, Equity Estate, behind Ilorin West Local Government, Nigeria, 2022 - Date
 12. Research Article Reviewer, Proceedings of 2022 NCS Conferences, Nigeria Computer Society, Ikeja, Nigeria
 13. Research Soft Skills Facilitator, Centre for Research, International and Industrial Linkage, Al-Hikmah University, Ilorin, Nigeria, August 2021
 14. CPE II Courseware Study Pack Developer, Computer Professional Registration Council of Nigeria August 2020- Date
 15. Facilitator, e-learning Material Preparation Programme for Al-Hikmah University academic Staff, March 2020
 16. Research Soft Skills Facilitator, Centre for Research, International and Industrial Linkage, Al-Hikmah University, Ilorin, Nigeria, October - November 2019
 17. Vice Chairman, Nigeria Computer Society (NCS), Kwara State Chapter, April 2018 - May 2023
 18. Delivery of Lecture titled” The Convergence of ICT tools and Applications in Organisations: Challenges and Opportunities for Computer Practitioners” at the Career Programme of NACOSS, Allover Central Polytechnic, Ota Chapter, July 2015
 19. Development of Student Personal Record Management Systems (STUPREMS) for Allover Central Polytechnic, Ota (January 2015)
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PROFESSIONAL AFFILIATIONS

Member, Nigeria Computer Society (NCS) - MEMBERSHIP NUMBER: 10171

Member, International Association of Engineers- MEMBERSHIP NUMBER: 288056

Member, Internet Society-MEMBERSHIP NUMBER: 2240745

Member, IAENG Society of Computer Science

FELLOWSHIPS AND AWARDS

Jim Ovia-NCS PhD Computer Science Scholarship Award Winner

2019 - 2020

Certificate of Merit Award, Muslim Corps Members Association of Nigeria (MCAN), Bayelsa State Branch

2008

Certificate of Service and Merit Award, Federation of Ibadan Students' Union (FIBSU), University of Ilorin
Chapter

2006

Best Graduating student in ND Computer Science (National Diploma-3.52/4.00) Federal Polytechnic, Offa, Kwara
State, Nigeria2002
