

RESUME

PROF. OBUNADIKE GEORGINA NKOLIKA

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Katsina State, Nigeria.
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Date and Place of Birth: 01/10/1968, Onitsha
Nationality: Nigeria
State of Origin/ LGA: Anambra/Idemili South
Marital Status: Married
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Telephone Number: 08059868687, 08095232233
Present Rank: Professor

Summary of Educational Qualifications:

s/n	Qualification (from the Highest)	Class/Grade	Year of the Certificate
1	Ph.D computer Science		2017
2	MSC Computer Science	Distinction (4.5)	2011
3	B.Sc. Maths/Computer Sc.	2 nd Class Upper	1995
4	Post Graduate Diploma in Education(PGDE)	Distinction	2001
5	SSCE/GCE Ordinary level		1989
6	First School Leaving Certificate		1982

Schools attended with Dates:

s/n	Institution/School/College	Year /Period of attendance	
		From	To
1	Federal University of Technology, Minna	2012	2017
2	Bayero University Kano	2007	2011
3	University of Port Harcourt.	1990	1995
4	Federal College of Education, Kano	2000	2001
5	Girls' Secondary School, Uke	1982	1989

6	Ugbolimili Primary School, Onitsha	1976	1982
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Professional Experience

a) Administrative

- a) Departmental Examination Officer **2001 – 2004.**
- b) Project Co-ordinator for the Department **2008 – 2012.**
- c) Ag. Head of Department of Computer **2005 - 2006.**
- d) Departmental SIWES Coordinatoor **2016 – 2018**
- e) Departmental GST Coordinator **2016 – 2018**
- f) Departmental Post Graduate Coordinator **2017 -2018**
- g) Ag. Head of Department of Computer Sci & IT **2018 – 2019**
- h) Ag. Dean, Faculty of Computer Science and AI **2019 - 2021**
- i) Deputy Dean, Faculty of Computer SC & AI **2022 - todate**
- j) Departmental/Faculty Exam Malpractice committee (Member)
- k) Faculty Post Graduate Board (Member)
- l) Departmental Appointment and Promotion Committee (Member)
- m) Departmental Accreditation Committee (member)
- n) Coordinator Artificial Intelligence and Data Science Laboratory

b) Teaching Experience:

1. Lecturer, Computer Department, Federal College of Education, Katsina **Jan. 2000 – August,2012**
2. Lecturer, Department of Computer Science and IT, Federal University Dutsin-ma **Sept.2012 – To date**
3. Facilitator, National Open University of Nigeria **2018 – to date**
4. Sabbatical, Nigeria Defense Academy (NDA), Kaduna **2021 to 2022**
5. Alternate External Examiner, Federal University Lafia, **2021 todate**

C) Work Experience at F. C. E Katsina and Federal University Dutsin-ma:

Federal College of Education, Katsina

- (i) **Assistant Lecturer:** Sept, 2000 to Oct. 2003.
- (ii) **Lecturer III:** October 1, 2003 to Oct 2006
- (iii) **Lecturer II:** Oct1, 2006 to Oct. 2009.
- (iv) **Lecturer I:** Oct. 2009 to Oct 2012.

Federal University Dutsin-ma

- (v) **Lecturer II:** Sept, 2012 to Oct, 2014
- (vi) **Lecturer I:** Oct, 2014 to Oct. 2017
- (v) **Senior Lecturer:** Oct. 2017 – 2020
- (vi) **Associate Professor** Oct. 2020 – 2023
- (vii) **Professor** Oct. 2023 - todate

Courses Taught at the University Level:

S/N	COURSE CODE	COURSE TITLE	LEVEL (Undergraduate/ Postgraduate)
1	GST 131	Introduction to Computer	100
2	CMP 112	Introduction to Computer Programming (BASIC)	100
3	CMP 211	Computer Programming I (Visual Basic)	200
4	CMP 361	Management Information System	300
5	CMP 371	Database Design	300
6	CMP 431	Artificial Intelligence	400
7	CMP 462	Data Mining	400
8	CMP 422	Special Topics in ICT	400
9	CMP 441	Operating System II	400
10	CSC 316	Human Computer Interaction	300
	CSC 311	System Analysis and design	300
10	CSC 771	Artificial Intelligence	PG
11	CSC 781	Database Management System	PG
12	CSC 772	Optimization Techniques	PG
13	CSC 732	Operating System	PG
14	CMP 812	Operation Research and Optimization	PG
15	PGS 801	ICT and Research Method	PG
16	PGS 901	ICT and Research Method II	PG
17	PIT 725	Cloud Computing Technology	PG
18	CSC 912	Advanced System Analysis and Design	PG
19	CSC 919	Algorithm Design and Method	PG

Under Graduate SupervisionOver 50 Bsc in Computer Science **Completed****PGD supervisions**

	Name	Title	Stage
1	Agber Torkuma	Intelligent CCTV System	Completed
2	Hindatu Hamisu	Susceptible Infection and Recovered (SIR) Model of Some Infectious Diseases	Completed
3	Abdulumumin Adamu Pg8/SCI/2018/0203	Application of Machine Learning to Health Data for Forecasting Malaria (A Case Study of FUDMA Clinic)	completed

MSc supervisions

S/N	Name	Title	Stage
1	Sirajo Musa Pg8/Sci/2019/0448	An Improved Hausa Word Stemming Algorithm	Completed
2	Abdulumumni Adamu Pg8/Sci/2019/0203	Medical Diagnostic And Predictive Model For Child Delivery	Completed
3	Emmy Danny Ajik Pg8/Sci/2020/1275	Optimized Models For Fake News Detection	Completed

4	Nazifi Shuaibu Pg8/Sci/2020/1028	A Machine Learning Approach For The Prediction Of Crop Yield In Nigeria	Completed
5	Fatima Abbas Maikano Pg8/Sci/2020/1040	Risk Analysis And Cyber Bullying Detection System Among Adolescents	Completed
6	Imrana Sada (Pg8/Sci/2020/1119)	Mapreduce Algorithm For Weather Prediction	Completed
7	Marcel Gabriel Pg8/Sci/2020/0919	Hepatitis B Mortality Prediction Using Sir Model In Katsina Metropolies	Completed
8	Otse Edeh John Pg8/Sci/2020/0637	Linear Regression Approach To Solving The Problem Of Multicollinearity And Overfitting In Predictive Analysis	Completed
9	Ruqayyah R. Ibrahim Sci/Pg8/2020/0956	Design And Analysis Of Incentive Mechanism For Distributed File Sharing Networks	Completed
10	Mukhtar Umar Shitu Pg8/Sci/2019/0368	Evaluating The Performance Of Bayesian Network In Diagnosing Hormone Imbalance	Completed

CONTRIBUTION TO COMMUNITY SETVICE: contribution to Community service within and outside the University.

- i. Member of Senate, Federal University, Dutsin-ma 2018 - todate
- ii. Student Level Adviser, Department of Computer Science and IT, Federal University Dutsin-ma. 2010 - 2012
- iii. Member of Departmental and faculty Examination Malpractice Committees
- iv. Member of Faculty Post Graduate Board
- v. Member of Departmental Appointment and Promotion Committee
- vi. Member of Departmental Welfare Committee
- vii. Member of Departmental Accreditation Committee.
- viii. Coordinator Artificial Intelligence and Data Science Laboratory (AIDS Lab), Department of Computer Science, Federal University Dutsinma
- ix. Reviewer, Fudma Journal of Science, Federal University, Dutsin-ma, 2018 – todate
- x. Member Post UTME Screening Committee, Federal University, Dutsin-ma
- xi. Member Super Market Committee FUDMASCOS, Federal University, Dutsin-ma
- xii. Chairperson, FUDMASCOS constitution Review committee
- xiii. Member Interim Management committee, ASUU-FUDMA COOPERATIVE.
- xiv. Member Departmental Appointment and Promotion Committee
- xv. Member Faculty Appointment and Promotion Committee
- xvi. Member Faculty Post Graduate Board
- xvii. Member Management committee on unlawful access to University portal and Emails
- xviii. PG School Representative for Faculty of Computing
- xix. Contribution to CCMAS Book Series- Fundamentals Programmimg 1
- xx. Alternate External Examiner
- xxi. Departmental SIWES Coordinator
- xxii. Departmental PG Coordinator
- xxiii.** Departmental Examination Officer

Area of Academic Interest:

1. **For Research:** Data Mining, Machine Learning, Optimization
2. **For Teaching:** Database, Programming, Artificial Intelligence, Data Mining
Optimization Techniques

DISTINCTION AND MEMBERSHIP OF LEARNED SOCIETIES:

- i) Nigeria Computer Society Member
- ii) Academia in Information Technology Profession (AITP) Member
- iii) Institute of Operational Research and Management (IORMS) Member
- iv Association of Mathematical Science and Optimization Member
- ii) Teachers Registration Council of Nigeria Member
- iii) E-Learning Network of Nigeria Member
- iv) Nigeria Association for Educational Media and Technology (NAEMT) Member
- v) Association of Women in Colleges of Education (WICE), Katsina Branch, Secretary
(2000 – 2009)

Journal Publications

A. In International Referred Journals:

1. **Methodology and Tool Selection Criteria in Data Mining.** Global Advanced Research Journal of Engineering, Technology and Innovation (GARJETI).August, 2012, Vol 1, No 6, pp 132-137
2. **A Frame Work for Data Warehouse for Nigerian Police Force: A Way of Ensuring National Security.** Journal of Information and Knowledge Management(IKM), International Institute of Science, Technology and Education (IISTE), February, 2013, Vol 3, No 2, pp 1-8
3. **A Phase Approach for Adopting Private Cloud as a Collaborative Platform for Nigerian Universities.** Journal of Information and Knowledge Management(IKM), International Institute of Science, Technology and Education (IISTE), 2014, Vol 4, No 9, pp 59-67
4. **Leveraging Data Mining and Data Warehouse to Improve Prison Services and Operations in Nigeria.** Journal of Information and Knowledge Management(IKM), International Institute of Science, Technology and Education (IISTE), 2014, Vol 4, No 5, pp27-34
5. **Algorithmic Framework for Frequent Pattern Mining with FP-Tree.** Journal of Computer Engineering and Intelligent Systems(CEIS), International Institute of Science, Technology and Education (IISTE), 2014, Vol 5, No 12, pp18-25
6. **Customer Relationship Management Model for Small and Medium Scale Enterprises in Nigeria.** International Journal of Research Studies in Computer Science and Engineering (IJRSCSE) Volume 2, Issue 9, September 2015, PP 14-23
7. **Analytical Study of Some Selected Classification Algorithms in WEKA Using Real Crime Data.** (IJARAI) *International Journal of Advanced Research in Artificial Intelligence*, Vol. 4, No.12, November, 2015.
8. **Optimization of Computer Network for Efficient Performance.** International Journal of Computer Networks and Communications Security, Vol. 3, No. 10, October 2015, 396–402
9. **Optimized Naïve Bayesian Algorithm for Efficient Performance,** Journal of Computer Engineering and Intelligent System, Vol. 9, No. 3, 2018, pp 8-13.

10. **Multi-Class Dual- Stream Convolutional Neural Network for Synthetic Aperture Radar Automatic Target Recognition of Ground Military Vehicle**, Journal of Scientific Research, Banaras Hindu University, Volume 66, Issue 4, 2022.
 11. **Multi-Stream Fast Fourier Convolutional Neural Network for Automatic Target Recognition of Ground Military Vehicle**, Artificial Intelligence and Applications, 2022, Vol. 00(00) 1–11
 12. **A Review of Fuzzy Cognitive Maps Extensions and Learning**, Journal of Information Systems and Informatics Vol. 5, No. 1, March 2023 e-ISSN: 2656-4882 p-ISSN: 2656-5935
- B. In National Referred Journals:**
13. **Digital Divide: A challenge to the Development and Implementation of E-Learning in Education and Training**. A journal of E-Learning Network of Nigeria (Jeol) Vol. 2 No 1 Oct. 2006.
 14. **Application of E-learning in Computer Science Education**. A journal of E-learning Network of Nigeria (Joel). Vol. 8, No. 1. Dec. 2008, Vol 8, No 1, pp 139-148
 15. **Opnet IT Guru: A tool for Networking Education for Achievement of the vision 20:2020**. African Journal of Academic Excellence. Vol.1, No. 2. 2011, Vol 1, No 2, pp 29-34
 16. **Integration of ICT-Policy in Teacher Education: Implication for Human Capacity Building**. A journal of Educational Media and Technology (JEMT) vol. 15, No 1. 2012, Vol 16, No 2, pp 122-128
 17. **Globalization of Human Capacity Building through ICT in Teacher Education in Nigeria**. Journal of Science, Mathematics and Education (JOSTMED), December, 2015, Vol. 11, No. 3, pp 291-299
 18. **Classification of Crime Data for Crime Control Using C4.5 and Naïve Bayes Techniques**, (IJMAO) International Journal of Mathematical Analysis and Optimization: Theory and Applications, Vol. 2017, pp. 139 – 153
 19. **A Frame Work for Query Optimization and Privacy on Out Sourced Data**, FUDMA Journal of Sciences (FJS), Vol. 1, No 1, 2017, pp. 49-57
 20. **Simulation Based Appraisal of OSPF and EIGRP**, FUDMA Journal of Sciences (FJS), Vol 2, No 1, 2018, pp. 89-98
 21. **Optimization of K-Mode Algorithm for Data Mining Using Particle Swarm Optimization**, FUDMA Journal of Sciences (FJS), Vol. 2 No. 3, pp 24-33.
 22. **A Filter Model for Text Categorization against Online Hate Speeches**, FUDMA Journal of Sciences (FJS), Vol. 3 No. 2, pp 195-200.
 23. **Information Extraction from Electronic Medical Records using Natural Language Processing Techniques**, Journal of Applied Sciences and Environmental Management, Vol. 24(6), pp 1027 -1033.
 24. **Usability Evaluation of a Web-Based Portal (Mysikap) Using ISO 9241-11**, Jewel Journal of Scientific Research (JJSR) 5(1&2): 90–101, 2020
 25. **Analysis And Visualization Of Market Segmentation In Banking Sector Using Kmeans Machine Learning Algorithm**, FUDMA Journal of Sciences (FJS), Vol. 6 No. 1, pp 387-393.
 26. **Predictive Model For Child Delivery**, FUDMA Journal of Sciences (FJS), Vol. 6, No. 1, pp 141-145.
 27. **AN IMPROVED HAUSA WORD STEMMING ALGORITHM**, FUDMA Journal of Sciences (FJS), Vol. 6 No. 1, March, 2022, pp 291 – 295, DOI: <https://doi.org/10.33003/fjs-2022-0601-899>

Papers Presented at Academic/Professional Conferences:

28. **Empirical Evaluation of KNN Classifier Using Various K-Values** presented at 2018 International Conference on Information Technology in Education and Development (ITED, 2018), held between 24th – 27th April, 2018
29. **Optimization of K-Moded Algorithm for data mining using Particle Swarm Optimization** presented at the 3rd International Conference on Mathematical Analysis and Optimization: Theory and Applications (ICAPTA) held between 5th – 11th March, 2017.
30. **Optimized Naïve Bayesian Algorithm for Efficient Performance.** presented at 2nd International Conference on Mathematical Analysis and Optimization: Theory and Application in Emerging Economies (ICAPTA), held between 16st – 21st March, 2016.
31. **Data Mining Application in Crime Analysis and Classification.** presented at 2nd international Conference on Big Data Analytics and Innovations, held between October, 2016
32. **Optimization of Computer Network for Efficient Performance,** presented at 2nd Annual Conference, International Conference on Mathematical Analysis and Optimization, held between 16th to 25th March, 2015
33. **Customer Relationship Management Models For Small And Medium Enterprises In Nigeria,** presented at 1st International Conference on Mathematical Analysis and Optimization: Theory and Application in Emerging Economies (ICAPTA), held between 12th – 14th March, 2014
34. **Globalization of Human Capacity Building through ICT for Effective**
35. **Integration in Teacher Education System** presented at the 32nd Annual National Conference of Nigeria Association for Educational Media and Technology (NAEMT), held between 19th – 23rd September, 2011.
36. **36. Integration of Information and Communication Technology (ICT) in the Classroom: focus on Teachers' preparation,** presented at the 31st Annual National Conference of Nigeria Association for Educational Media and Technology (NAEMT), held between 20th – 26th September, 2010.
37. **42. Computer Education and the Millennium Development Goals.** Presented at the 6th National conference of Federal College of Education (Technical) Bichi, held between 26th – 29th May, 2008.
38. **43. Creating Awareness in Child Labour and Human Trafficking: The Role of Computer,** Presented at the 13th Annual National Conference of Women in Colleges of Education (WICE) held between 13th – 16th October, 2008.
39. **41. Application of E-learning in computer Science Education.** Presented at the E-learning Conference 2007 at Federal College of Education(Technical), Omoku, held between 19th – 21st November, 2007
40. **Information Technology for National Development: Implication to Internet And Its Economic Power.** Presented at the 4th National Conference of Federal College of Education, Katsina. Held between 26th – 29th July, 2005.
41. **Technology Education: A challenge to Teacher Trainers for Sustainability of UBE Scheme in Nigeria,** presented at the 1st National Conference of School of Sciences, Federal College of Education, Kano. Held between 2nd – 5th August, 2005.
42. **ICTs in Educational and Training Context: Implication to the Use of Computer ssisted Instruction (CAI) in the Classroom,** presented at the 1st Annual Conference of E-Learning Network of Nigeria, University of Ibadan, held between 3rd -5th October, 2005.
43. **Computer Education: A Challenge for Effective Teacher Education,** presented at 3rd National Conference of Federal College of Education, Katsina, between 26th – 29th July, 2004.
44. **Teaching and Learning Using Computer Assisted Instruction (CAI): As a Technological Breakthrough** presented at the 2nd National Conference of School of Sciences, Federal College of Education, Katsina, held between 7 – 11 October, 2002.
45. **Challenges of computer Education: Implication for women in Academics** presented at the first annual Seminar of Women in Colleges of Education(WICE)Katsina Chapter on 8th June, 2000.

BOOKS AND CHAPTER CONTRIBUTION IN BOOKS

S/N	Title	Name of Publisher & year of publication	Number of Authors and chapter contributed	Place of Publication
1	Introduction to Computer Science	Ahmadu Bello University Press Limited 2018	Chapters 6 and 12	Zaria, Nigeria
2	ICT and Research Method	Allihery Press NKI Ltd	Chapters 2 and 3	Zaria, Nigeria
3	Introduction to Computer Science, 2 nd edition			Kano, Nigeria

Selected Conferences and Professional Activities participated:

- 1) 8th International Conference on ICT Applications held between 1st September to 7th September, 2013
- 2) Workshop on Writing Technical Papers and Award Winning Proposals, held November, 2013
- 3) 1st Annual Conference, International Conference on Mathematical Analysis and Optimization, held between 12th – 14th March, 2014
- 4) 2nd Annual Conference, International Conference on Mathematical Analysis and Optimization, held between 16th – 25th March, 2015
- 5) 1-Week Dual Focus International School on Advanced Research Methods, Data Analysis and Software Training for Academics, Postgraduate Students, and Professionals, held between 30th – 5th July, 2014
- 6) Advanced Digital Appreciation Programme for Tertiary Institution (ADAPTI) Training, held between 17th – 21st November, 2015
- 7) 3rd Annual, International Conference and workshop on Mathematical Analysis and Optimization, held between 16th – 21st March, 2016
- 8) 2nd International Conference of Big Data Analytics and Innovations, held October, 2016
- 9) 4th International Conference and Workshop on Mathematical Analysis and Optimization, held between 5th – 11th March, 2017
- 10) 13th International Conference of Nigeria Computer Society, held between 18th – 20th July, 2017
- 11) 2018 International Conference on Information Technology in Education and Development (ITED, 2018), held between 24th – 27th April, 2018
- 12) 1st Skills-gap Workshop in Information Technology organized by Academia in Information Technology Profession (AITP), 15th-19th, October, 2018
- 13) Data Science Africa Workshop 2018, 15- 16th November, 2018

Selected Professional Courses Attended:

1. Workshop on Writing Technical Papers and Award Winning Proposals, held November, 2013
2. 1-Week Dual Focus International School on Advanced Research Methods, Data Analysis and Software Training for Academics, Postgraduate Students, and Professionals, held between 30th – 5th July, 2014
3. Advanced Digital Appreciation Programme for Tertiary Institution (ADAPTI) Training, held between 17th – 21st November, 2013
4. 3rd Annual, International workshop on Mathematical Analysis and Optimization, held between 16th – 21st March, 2016
5. 4th International Workshop on Mathematical Analysis and Optimization, held between 5th – 11th March, 2017.
6. Abuja Summer School, (DSA 2018) Abuja, 12th to 14th November, 2018
7. Foundation Postgraduate course on Mathematical foundations of Computer Science, Organized by the Computer Programme, National Mathematical Centre, Abuja. held between 28th November-9th December, 2022

Extra-curricular activities / Hobbies:

Teaching, Programming, Reading, Travelling, Researching

Research Area

Data Mining, Machine Learning, Artificial Intelligence and Optimization

Referees:

1. Dr Joseph Emmanuel
Department of Physics
Faculty of Physical Science
Federal University Dutsinma, Katsina
GSM: 08036251745
2. Prof. Ismail Baoku
Department of Mathematics
Faculty of Physical Science
Federal University Dutsinma, Katsina
GSM: 07036435225
3. Prof. Ismaila Idris
Department of Cyber Security
School of Information and communication Technology
Federal University of Technology, Minna, Niger State
GSM: 07035880979



Signature

[Prof. Georgina Obunadike - Google Scholar](#)

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Georgina Obunadike (<https://orcid.org/0000-0002-0019-0436>), ORCID