

# DEJI-AKINPELU, OMOKEHINDE OLUWASEUN

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9 Military Zone Afunleyin Street, off General gas-Iyana Church road, Akobo, Ibadan, Nigeria  
+2347030183166  
omokehindeakinpelu@gmail.com

## Education

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Ph.D. in Computer Science, University of Ibadan, Nigeria	2022
M.Sc. in Computer Science, University of Ibadan, Nigeria	2012
B. Tech in Computer Engineering, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso, Oyo State, Nigeria.	2005

## Awards and Recognition

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1. Award for Outstanding Contribution to the Transition from Observation to Knowledge to Intelligence (TOKI) Conference, Nigeria 2021
2. Travel Grant Awardee, IFIP W.G 8.6 Doctoral Consortium and Conference, Accra Ghana 2019
3. Award for Outstanding Impact and Performance at National Youth Service Corps (Environmental Club), Enugu State, Nigeria 2007

## Publications: Articles

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1. **Deji-Akinpelu, O.O.** & Osunade, O. (2023). "Design of an Enhanced Routing Protocol for the Prevention of Sleep Deprivation Attacks" *Under Review*
2. **Deji-Akinpelu, O.O.**, Osunade, O. & Oguntunde, T. O. (2023). "An Encrypted Packet for Secure Data Transmission in IoT/MANET". *Under Review*
3. **Deji-Akinpelu, O.**, Osunade, O. & Oguntunde, T. O. (2022). "A Review of Hybrid Routing Protocols for Data Transmission in Mobile Ad-hoc Network T". *Under Review*
4. **Deji-Akinpelu, O.** and Osunade, O. (2018) Enhancement of Dendritic Cell Algorithm for Preventing Sleep Deprivation Attacks. American Journal of Computer Science and Engineering. Vol. 5, No. 5, pp. 154-159.
5. O. Osunade, O. W. Omisore, **O. Deji-Akinpelu** and O. T. Olanrewaju (2018) Design and Implementation of an online Computer Based Testing System African Journal of Computing & ICT, Vol. 11, No 4, pp. 18-28.

6. Olanrewaju, B. S.; Thanni, A. M.; **Deji-Akinpelu, O.O.**; Olanrewaju, O. T. and Osunade, O. (2018) RFID Reader Collision Avoidance Using CSMA/CA with Fibonacci Backoff Algorithm. International Journal of Computer Science and Information Security \*(IJCSIS - ISSN 1947 5500) Vol. 16, No. 7, pp. 204-210
7. Osunade, O.; Oyekunle, A. J.; Olanrewaju, O. T. and **Deji-Akinpelu, O. O.** (2018) Performance Evaluation of Internet Service Delivery via Sim-Enabled USB Modems. GESJ: Computer Sciences and Telecommunications Journal. Vol. 2, Issue 6, June 2018. Pp. 23-33.
8. Osunade. O., Oguntunde, T. and **Deji-Akinpelu O.** (2014). Practical Examination of Distances on Channel Capacity in IEEE 802.11n Wireless Signals. International Journal of Engineering Science and Innovative Technology. Vol. 3, Issue 6, November 2014. Pp. 1-8.

### **Publications: Conference Papers**

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1. B.S. Olanrewaju, O. Osunade, **O.O. Deji-Akinpelu**, A.O. Okunade, A. Omilabu, D.M. Elegbeleye. (2019) Performance Evaluation of Traffic Offloading Between Mobile Cellular Network and Wireless Fidelity Network. In the proceedings of the International Conference in Mathematics, Computer Engineering and Computer Science.
2. K. Adewale, **O. O. Deji-Akinpelu**, O. Osunade, O. T. Olanrewaju, B. S. Olanrewaju, A.O, Okunade, A. Omilabu. (2018) Implementation of Modified Pull-All Data Migration for a Java-based Mobile Agent Using Coloured Petri Net (CPN). In the proceeding of the 1<sup>st</sup> CoNIMS International Conference & Workshop, University of Lagos.
3. Ayoade Akintayo M., Okesola Kikelomo I. and **Deji-Akinpelu Omokehinde O** (2014): A Survey Trends in Application Areas of Artificial Intelligence. In the proceedings of the 1st International Conference on Advanced Computerised Systems and Emerging Technologies (ICACSET 2014), Computer Science Department, Babcock University.

### **Technical Reports and Monographs**

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1. A Report of Post Graduate Experience submitted in Partial Fulfillment of the Requirements for Election as a Corporate Member of the Nigerian Society of Engineers (NSE) 2012
2. A Report submitted in Partial fulfillment of the Requirements for the Registration of

Corporate membership of Council for the Regulation of Engineering in Nigeria (COREN) 2015

## **Teaching Service**

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**Lecturer, Department of Computer Science, Dominican University, Nigeria. (Part-Time)** 2023 till date

Teaching, assessment of students and supervision of students' final year projects.

**Teaching Associate and Doctoral Research Fellow, Department of Computer Science, University of Ibadan.** 2018 - 2022

Student mentoring, co-supervision of student projects, collaborative research, presentations.

**Assistant Lecturer, Lead City University (Part-Time)** 2015 - 2016

Teaching and assessment of students

**Assistant Lecturer, Lead City University** 2014 - 2015

Teaching and assessment of students; students mentoring; and supervision of students' final year projects

**National Youth Service Corps, Eneme Secondary School, Enugu** 2006 – 2007

Teaching, assessment of students and students mentoring

## **Courses Taught**

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1. Introduction to Computer Science
2. Introduction to Computer Networks
3. Software Architecture and Design
4. Fault Tolerant Computing
5. Artificial Intelligence
6. Introduction to Computer management and Installation
7. Distributed, Parallel and Cloud Computing
8. Net-Centric Computing and End User Computing

## **Academic Service**

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1. Student Scholarship Application Reviewer, Grace Hopper Celebration (AnitaB.org) 2021
2. Member, Departmental Curriculum Committee 2014 - 2015
3. Chairperson, Welfare Committee 2014 - 2015
4. Member, Accreditation Team 2014 - 2015

## Non-Teaching Experience

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1. **Executive Director, Shining Stars Global Impact Foundation (aka SSII)** 2020 till date  
(Part-time)

Mentoring and capacity building of youths and young women; planning, organising and funds mobilizing for educational and empowerment projects for youths and women

**Planned, organised and executed youths centered educational projects:**

A Capacity Building Summit titled A Shining Star	September 2020
Health Related Summit titled Addictions: The Ways Out	February, 2021
Excelling Against All Odds	June, 2021
Mental Wellness	December 2021

**Youths/Women Empowerment Projects Executed:**

Vocational training on Photography (Accelerated Course)	February 2022
Vocational training on Wig-making, Braids and Facials	March 2022
STEM related training for undergraduates, graduates and young professional	April 2022
STEM related trainings (Cohort 2)	May 2022
Public Health training in Collaboration with Red Cross Society, Oyo State Branch, Nigeria; on Basis First Aid, Emergency Responses and CPR	June 2022
Standard First Aid & CPR-C/AED	July 2022
Vocational and STEM training for Senior Secondary School Students	August 2022

**Website:** ([www.ssiinitiative.org](http://www.ssiinitiative.org))

2. Superintendent Officer, General Data Engineering Services, Plc. (Skannet) 2010  
3. Technical/Network Support Officer, Skannet 2008 - 2010

## Conferences/Workshop Attendance

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- Transition from Observation to Knowledge to Intelligence (TOKI) Conference, University of Ibadan, 19-20th August, 2021.
- IFIP WG 8.6 International Conference on Transfer and Diffusion of IT, TDIT 2019, University of Ghana, Accra, Ghana, June 21–22, 2019
- Mandatory Continuing Professional Education Workshop for Prospective Members of The Nigerian Society of Engineers, 2012

## **Professional Associations**

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1. Member, Internet Society (ISOC - 192914) 2018
2. Registered Engineer, Council for the Regulation of Engineering in Nigeria (COREN) R30308 2015
3. Corporate Member, Nigerian Society of Engineers (NSE) 29462 2013
4. Member, Nigerian Institution of Electrical and Electronics Engineers (NIEEE) 8266 2021

## **Community/Social Responsibilities**

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1. Publicity Secretary, NIEEE Ibadan Chapter 2022 till date
2. Executive Director, Shining Stars Global Impact Foundation 2020 till date
3. Membership and Welfare Secretary, NIEEE Ibadan Chapter 2020 - 2022
4. Volunteer, Tech Girls Club for female students in Science and Technology 2019 till date
5. Volunteered Counselor, Private Secondary Schools 2013 - 2015

## **Referees**

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1. **Prof. Dr. Oluwaseyintanfumi Osunade**  
Department of Computer Science  
University of Ibadan, Ibadan, Nigeria.  
[seyiosunade@gmail.com](mailto:seyiosunade@gmail.com) / +2348033264855
2. **Prof. Adenike Osofisan**  
Retired Professor of Computer Science  
University of Ibadan, Ibadan, Oyo State, Nigeria.  
nikeosofisan / +2348033013594
3. **Prof. Isaac Adebayo Adeyemi**  
Retired Professor of Food Science  
Ladoke Akintola University of Technology, Ogbomoso, Oyo State, Nigeria.  
[iyemibayo@gmail.com](mailto:iyemibayo@gmail.com) /+2348033786723

