Akinode John Lekan

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Research Interests

Artificial Intelligence
Machine Learning
Natural Language processing
Educational Data Minning
Assistive Technologies
Distributed Systems

Education

2014 – 2015 **University of Hull**, United Kingdom,
M.Sc. in **Computer Science (Security and Distributed System)**

2002 – 2006 **University of Agriculture, Abeokuta,** Nigeria
B.Sc. in **Mathematical Sciences (Computer Science option) Second Class Upper**

Employment

2009 – Present **LECTURER I**
Computer Science Dept. The Federal Polytechnic Ilaro, Ogun State, Nigeria.

Publications

Conference Papers

○ **Akinode J.L &** Bada O (2021), "Student Enrollment Prediction using Machine Learning Techniques. National Conference of the School of Pure and Applied Sciences Federal Polytechnic Ilaro".

○ Oloruntoba S.A **& Akinode J.L** (2020), "Development of a Web Based E-Learning Platform for acquiring Entrepreneurial Skills in TVET for Polytechnic Students. International Conference organized by the Academic Staff Union of Polytechnics (ASUP), Yabatech Branch.

○ **Akinode J.L** & Oloruntoba S.A (2020). "Covid -19 Digital Contact Tracing Technologies and its Ethical Dimensions. 5th International Conference, School of Science Yaba College of Technology, Lagos State.

○ **Akinode J.L (2020)**. "An Exploratory Study on the Motivation, Perception and the Use of Massive Open Online Course (MOOCs) among Polytechnic Students in Nigeria.2nd International Conference, the Federal Polytechnic Ilaro.

○ **Akinode J.L** &, Oloruntoba S.A. (2020). "An Android Based Farm Products Information System and Extension Services. First virtual conference on Research and Innovation Development in Post Covid-19 Era. Nigeria Society of Engineers (NSE) Ilaro Branch.

○ Oloruntoba S.A **& Akinode J.L** (2019) "Predicting Students' Academic Performance using decision Tree Algorithm". Proceedings of 1st International conference organized by Research and Development Unit ,Federal Polytechnic Ilaro,Ogun State,Nigeria.

○ **Akinode J.L** & Oloruntoba S.A (2017) . "Comparative Evaluation of Modern JavaScript Frameworks". Proceedings of National Conference of the Schools of Pure and Applied Sciences and Communication & Information Technology(SPACIT 2017),the Federal Polytechnic Ilaro,Ogun State, Nigeria.

○ Soyemi J , **Akinode John**, & Oloruntoba S (2017). "Electronic Lecture Time-table Scheduler using Genetic Algorithm."Proceedings of 2017 IEEE 15th International Conference on Dependable, Autonomic and Secure Computing, 15th International Conference on Pervasive Intelligence Computing,3rd International Conference on Big Data Intelligence Computing and Cyber Science and Technology Congress.

Journal Publication

○ **Akinode J.L &** Oloruntoba S.A (2020) "Artificial Intelligence in the Transition to Circular Economy". American Journal of Engineering Research (AJER), 9(6) pp 185-190.

○ Oloruntoba S.A **& Akinode J.L** (2020) "Development of a Blood Bank Information Retrieval System using Android app".International Journal of Engineering Research Applied Sciences and Technology. Vol 1, No 8 Pages 1-6.

○ **Akinode J.L &** Oloruntoba S.A (2020) "Children Perceptions of the Effectiveness of Online Coding as a Supplement to in-person Boot Camps."International Journal of Scientific Advances. Volume 1-Issue 3 Nov-Dec No 32 pp 187-191.

○ Oloruntoba S.A **& Akinode J.L** (2020) "Exploring the Potentials of Artificial Intelligence in the Judiciary". International Journal of Engineering Research Applied Sciences and Technology. Vol 5, No 8

○ Oloruntoba S.A **& Akinode J.L** (2020) "Student's Class Attendance Monitoring System using Fingerprint ".Ilaro Journal of Women in Technical Education and Development(WITED) Vol(1) issue 2, December 2020

○ **Akinode J.L &** Oloruntoba S.A (2017) "Algorithms for reducing cut sets in Fault tree analysis". International Journal of Advanced Research in Computer and Communication Engineering (IJARCEE), 6(12): 36-41.

○ Oloruntoba S.A & **Akinode J.L**. "Student Academic Performance Prediction using Support Vector Machine." International Journal of Engineering Sciences and Research Technology (IJERST) 6(12): 588-598.

Technical Skills

- **Language:** C# , Python, C++ and JavaScript.
- **Tools**: Visual Studio IDE, Jupiter Notebook, Pycharm.
- **Databases**: MySql, MongoDB
- **Operating System**: Windows, Linux.

Professional Service

2016-present   **Founded**, Littlecoders Nigeria. A Makerspace for Children in

Nigeria to learn about Artificial Intelligence and Robotics using Arduino,Raspberry pi,

Tello Drone,Makey-Makey and Microbits.

Research Experience

2017 – *2020*   **TETFUND Research Group @** The Federal Polytechnic Ilaro, Nigeria

Projects:

Electronic Time-table Scheduler using Genetic Algorithm. Study the optimization and allocation issues in timetabling problem and devised an Algorithm for efficient time-tabling system for the Polytechnic..

Re-designing of the Polytechnic Website. Analyze the existing website and

developed a robust website that provide seamless operations for the Polytechnic Community.

2015 🔖 **Dependable and Intelligent Systems Research group** @ University of Hull, United Kingdom
Graduate Research Project

Projects:

🔖 **Efficient Fault trees Analysis Algorithm**. Developed a .Net implementation of different algorithms for Fault Tree Analysis.

Teaching Experience

2009 – Present **Lecturer (Federal Poly. Ilaro)**
🔖 COM 317 – Introduction to C# Programming Language
🔖 COM 323 – Assembly Language Programming
🔖 COM 121 – Introduction to Java Programming Language
🔖 COM 125 – introduction to System analysis and design

2021 – 2022 Adjunct **Lecturer (Federal Uni. of Oye-Ekiti, Ilaro Center)**
🔖 CSC 421 – NET Centric Computing
🔖 CSC 482 – Simulation and Modeling
🔖 CSC 309 – Web Programming

References

Dr Neil Gordon
Computer Science Dept. University of Hull,
United Kingdom.

Prof. Onoshoga
Computer Science Dept. Federal University of Agriculture,
Abeokuta, Ogun State, Nigeria,

Mr S.A Oloruntoba
Computer Science Dept. The Federal Polytechnic,
Ilaro, Ogun State, Nigeria,