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## 02. EDUCATION BACKGROUND

- i. Educational Institutions Attended (with dates)
  - a. Federal University of Agriculture Abeokuta, Nigeria 2016-2023
  - b. Federal University of Agriculture Abeokuta, Nigeria 2011-2014
  - c. Federal University of Agriculture Abeokuta, Nigeria 2005-2010
  - d. Nawair-ud-een High School, Oke-Ijeun Abeokuta, Nigeria 2002-2003
  - e. Oroke High School Akungba Akoko, Ondo state, Nigeria 1997-2002
  - f. Community Primary School Akungba Akoko, Ondo State 1991-1996
- ii. Academic and Professional Qualifications (with dates)
  - a. Ph.D. Computer Science 2023
  - b. M.Sc. Computer Science 2014
  - c. B.Sc. Computer Science 2010
  - d. Senior School Certificate In Education 2003
- iii. Professional Certification Obtained with Dates
  - a. CCNA Instructor

Course

Cisco Certified Network

Associate

Feb., 2015

b. Advanced Digital

Appreciation

Programme for

Tertiary Institutions

Digital Bridge Institute March, 2014

c. OCA Oracle 11g Database

Administrator Certified

Associate

June, 2010

d. SQL Expert Oracle Database SQL Certified

Expert

April, 2010

e. IT Essential CISCO IT Essential June, 2009

PC Hardware & Software

### 3. MEMBERSHIP IN PROFESSIONAL BODIES

- i. Member, Nigeria Computer Society (NCS ID: 07868)
- ii. Member, Information Technology Systems & Security Professionals (ITSSP)

### 4. Prizes, Honours, Scholarship, National and International Recognition

- a. NCS-Jim Ovia Fellowship 2021
- b. Federal Government Scholarship Award for Postgraduate Studies 2014
- c. Ondo State Government Award for Undergraduate Studies (300L) 2009

### 5. Research Completed (but not yet published)

- i. ISMD: An Intelligent System for Malware Detection
- ii. DAD-WEBCRYPTO: A Dynamic Approach for Detecting Web-Based Cryptojacking
- iii. Malware Impact Analysis

### 6. Research in Progress

- i. AESMBIR: AN Effective Similarity Measure for Bank Information Retrieval
- ii. IPSODAC: Automated Protection of Images in Social Networks Using Sensitive Object Detection and Access Control

### 7. MAJOR CONFERENCES ATTENDED

- i. International Conference of the Nigeria Computer Society themed “Communications and e-systems for Economic Stability”, held from 7th to 10th August 2023 at Abeokuta, Ogun State.
- ii. International Conference of the Nigeria Computer Society themed “Smart Secured and Sustainable Nation”, held from 2 nd to 4 th August 2022 at cultural center Kuto. Abeokuta, Ogun State.
- iii. International Conference of Nigeria Computer Society held at Uyo, Akwa Ibom, Nigeria. August 3 to 5 th , 2021
- iv. Summer school on Data Science and Machine Learning, organised by the Institute of Theoretical Physics Trieste, Italy, from 4 th – 25 th August, 2019

## 8. Publications

- i. Sodiya, A. S., Falana, O. J., Onashoga, S. A. & Badmus, B. S. (2014): Adaptive Neuro-Fuzzy System for malware detection. *Journal of Computer Science and its Applications*. 21(2); 20-31, Published by the Nigeria Computer Society (NCS). Available online at <https://www.ajol.info/index.php/jcsia/article/view/150044>
- ii. Oyetunji, M. O., Oladeji, F. A., Falana, O. J. & Idowu, P. A. (2017): Prediction of Road Traffic Accident in Nigeria Using Naive Baye's Approach. *Advances in Multidisciplinary & Scientific Research Journal*. 3(1); 23-30, Published by the Systems & Multidisciplinary Research group (SMART), ICITD, U.S.A. Available online at [https://www.isteam.net/\\_files/ugd/185b0a\\_d56c0684c5384522bac7d57dff392717.pdf](https://www.isteam.net/_files/ugd/185b0a_d56c0684c5384522bac7d57dff392717.pdf)
- iii. Oyetunji, M. O., Oladeji, F. A., Falana, O. J. & Idowu, P. A. (2017): An Online Poultry Diseases Monitoring System for Nigeria. *American Journal of Software Engineering and Applications*. 6(2); 18-28, Published by Science Publishing Group (SciencePG), New York, U.S.A. Available online at <https://www.sciencepublishinggroup.com/journal/paperinfo?journalid=137&doi=10.11648/j.ajsea.20170602.12>
- iv. Falana, O. J., Ebo, I. O. & Odom, I. S. (2021): Se-LMS: Secured E-Learning Management Systems for Smart School. *International Journal of Software Engineering and Computer Systems*. 7(1); 36-46, Published by College of Computing and Applied Sciences, University of Malaysia Pahang, Malaysia. Available online at <https://journal.ump.edu.my/ijsecs/article/view/4650>
- v. Tinubu, O. C., Falana, O. J. & Sodiya, A. S. (2021): Modelling Attendees's Participation in Virtual Events. *Journal of Computer Science and Its Application*, 28(2); 70-74, Published by the Nigeria Computer Society (NCS), Available online at <https://www.ajol.info/index.php/jcsia/article/view/230511>
- vi. Tinubu C. O., Falana O. J., Aborisade D. O., Adejimi O. A and Akinmusire C. B. (2021): DDoSDetect: A Behavioral Detection System for HTTP GET Flood Attacks. *Journal of*

Applied Science and Technology. 1(1); 102-114, Published by Mountain Top University, Nigeria

vii. Falana, O. J., Sodiya, A. S., Onashoga, S. A., & Badmus, B. S. (2022). Mal-Detect: An intelligent visualization approach for malware detection. 34(5); 1968-1983. Published by the Journal of King Saud University-Computer and Information Sciences- Elsevier.

Volume Available online at

<https://www.sciencedirect.com/science/article/pii/S1319157822000702>

viii. Tinubu, C. O., Falana, O. J., Oluwumi, E. O., Sodiya, A. S., & Rufai, S. A. (2023).

PHISHGEM: a mobile game-based learning for phishing awareness. Journal of Cyber Security Technology, 1-20. Available online at

<https://www.tandfonline.com/doi/abs/10.1080/23742917.2023.2167276>

ix. Naeem, H., Dong, S., Falana, O. J., & Ullah, F. (2023). Development of a deep stacked ensemble with process based volatile memory forensics for platform independent malware detection and classification. Expert Systems with Applications, 223, 119952. Available online at <https://www.sciencedirect.com/science/article/abs/pii/S0957417423004542>

x. Adejimi, A. O., Sodiya, A. S., Ojesanmi, O. A., Falana, O. J., & Tinubu, C. O. (2023). A Dynamic Intrusion Detection System for Critical Information Infrastructure. Scientific African, e01817. Available online at

<https://www.sciencedirect.com/science/article/pii/S2468227623002739>

a. Refereed Conference Proceedings

xi. Falana, O. J., Ebo, I. O., Tinubu, C. O., Adejimi, O. A. and Ntuk, A. (2020): Detection of Cross-Site Scripting Attacks using Dynamic Analysis and Fuzzy Inference System. In 2020 International Conference in Mathematics, Computer Engineering and Computer Science (ICMCECS). 1-6. Published by IEEE. DOI:

10.1109/ICMCECS47690.2020.240871 (Indexed in Scopus). Available online at

<https://ieeexplore.ieee.org/abstract/document/9077611>

xii. Ebo, I. O., Falana, O. J., Taiwo, O. and Olumuyiwa, B. A. (2020): An Enhanced Secured IOT Model for Enterprise Architecture. In 2020 International Conference in

Mathematics, Computer Engineering and Computer Science (ICMCECS). 1-6.

Published by IEEE. DOI: 10.1109/ICMCECS47690.2020.247112 (Indexed in Scopus).

Available online at <https://ieeexplore.ieee.org/abstract/document/9077643>

xiii. Falana, O. J., Sodiya, A. S., Onashoga, S. A., and Oyewole, A. T. (2020): PEDAM:

Priority Execution Based Approach for Detecting Android Malware. International Conference on Emerging Applications and Technologies for Industry 4.0. 152-165.

Published by Springer, Cham. (Indexed in Scopus). Available online at

[https://link.springer.com/chapter/10.1007/978-3-030-80216-5\\_12](https://link.springer.com/chapter/10.1007/978-3-030-80216-5_12)