

# CURRICULUM VITAE

## SECTION A: PERSONAL DATA

|                            |  |
|----------------------------|--|
| <b>Name</b>                | AKANDE, Noah Oluwatobi   |
| <b>Date of birth</b>       | Feb. 17  |
| <b>Gender</b>              | Male   |
| <b>Town</b>                | Ibadan   |
| <b>Local Govt. Area</b>    | Ibadan South West  |
| <b>State of Origin</b>     | Oyo  |
| <b>Nationality</b>         | Nigerian   |
| <b>Marital Status</b>      | Married  |
| <b>Religion</b>            | Christianity   |
| <b>Contact Address</b>     | P. O. Box 1600, Akeetan Titun, Oyo, Oyo State.                 |
| <b>Residential Address</b> | Flat 2, David & Isaac Estate, G. R. A., Omu-Aran, Kwara State. |
| <b>Telephone Number</b>    | +2347039563773   |
| <b>E-mail Address</b>      | akande.noah@lmu.edu.ng   |

## SECTION B: EDUCATION HISTORY

### 1. Institutions Attended with Dates and Academic Qualifications

| #  | Institution  | Degree Type   | Year |
|----|--|---|------|
| 1. | University of Ilorin, Kwara State, Nigeria.                    | Ph. D. Computer Science                               | 2020 |
| 2. | Ladoke Akintola University Of Technology, Ogbomoso, Oyo State. | Masters of Technology (M. Tech.) in Computer Science  | 2015 |
| 3. | Ladoke Akintola University Of Technology, Ogbomoso, Oyo State. | Bachelor of Technology (B. Tech.) in Computer Science | 2012 |
| 4. | St. Francis Catholic College, Oyo, Oyo State.                  | West African Examinations Council (WAEC)              | 2002 |

## 2. Teaching Experience

| #  | Institution   | Rank               | Date                      |
|----|---|--------------------|---------------------------|
| 1. | College of Engineering,<br>Olabisi Onabanjo University, Ibogun,<br>Ogun State | Graduate Assistant | July, 2013 – June<br>2015 |
| 2. | LAUTECH Open and Distance Learning<br>Centre, Ogbomoso, Oyo State.            | E-Tutor            | Jan. 2015 till<br>Date    |
| 3. | Landmark University, Omu-Aran, Kwara<br>State.                                | Lecturer           | Nov., 2015 till<br>Date   |

## 3. Courses Taught till Date

| #   | Course<br>Code | Level | Course Title                                |
|-----|----------------|-------|---|
| 1.  | CSC 121        | 100   | Overview of Computing Technology Compulsory |
| 2.  | CSC 211        | 200   | Computer Programming I                      |
| 3.  | CSC 212        | 200   | Digital Logic I                             |
| 4.  | CSC 213        | 200   | Data Management I                           |
| 5.  | GEC 215        | 200   | Applied Computer Programming I              |
| 6.  | CSC 216        | 200   | Low Level Languages                         |
| 7.  | GEC 225        | 200   | Applied Computer Programming II             |
| 8.  | CSC 221        | 200   | Computer Programming II                     |
| 9.  | CSC 222        | 200   | Computer Hardware                           |
| 10. | CSC 226        | 200   | Software Packages for Natural Sciences      |
| 11. | CSC 301        | 300   | Structured Programming                      |
| 12. | CSC 311        | 300   | Software Engineering I                      |
| 13. | CSC 316        | 300   | Compiler Construction I                     |
| 14. | CSC 411        | 400   | Software Engineering II                     |
| 15. | CSC 416        | 400   | Compiler Construction II                    |
| 16. | CSC 418        | 400   | Human Computer Interaction                  |

## 4. Administrative Positions Held till Date

- |   |                |
|---|----------------|
| a) Level Adviser  | 2015 till date |
| b) Departmental Coordinator, Student Industrial Work<br>Experience Scheme (SIWES) | 2017 till date |
| c) Departmental Undergraduate Project Coordinator                                 | 2018 till date |

## 5. Publications in Referred Journals

1. Aderonke A. Kayode, Abidemi E. Adeniyi, **Noah O. Akande** (2020), “Development of a Web Based Intelligent Dietetic System”, International Journal of Engineering Research and Technology (IJERT), Vol. 13, No. 2, pp. 207-211
2. **Akande Noah Oluwatobi**, Toba Paul Ayeni, Tayo Oladiran Arulogun, Adebiyi Ayodele Ariyo, Kayode Anthonia Aderonke (2020), “Exploring the use of Biometric Smart Cards for Voters’ Accreditation: A Case Study of Nigerian Electoral Process”, International Journal on Advanced Science, Engineering and Information Technology, Vol. 10, No. 1, Pp. 80-89. [Indexed in SCOPUS].
3. Abikoye Oluwakemi Christiana, Benjamin Aruwa Gyunka, **Akande Noah Oluwatobi** (2020), “Android Malware Detection Through Machine Learning Techniques: A Review”, International Journal of Online and Biomedical Engineering (iJOE), Vol. 16, No. 2, Pp. 14-30. [Indexed in SCOPUS].
4. Kayode Anthonia Aderonke, **Akande Noah Oluwatobi**, Saheed O Jabaru, Oladele O Tinuke (2020), “An Empirical Investigation of the Prevalence of Osteoarthritis in South West Nigeria: A Population-Based Study”, International Journal of Online and Biomedical Engineering (iJOE), Vol. 16, No. 1, Pp. 100-114. [Indexed in SCOPUS].
5. Abikoye Oluwakemi Christiana, Haruna Ahmad Dokoro, Abdullahi Abubakar **Akande Noah Oluwatobi**, Asani Emmanuel Oluwatobi (2019), “Modified Advanced Encryption Standard Algorithm for Information Security”, Symmetry, Vol. 11, No. 12, Pp. 1-17. [Indexed in SCOPUS].
6. Abikoye Oluwakemi Christiana, **Akande Noah Oluwatobi**, Garuba Ayomide Victory, Ogundokun Roseline Oluwaseun, (2019) A Secured One Time Password Authentication Technique using (3, 3) Visual Cryptography Scheme. IOP Conf. Series: Journal of Physics, Vol. 1299, pp. 1-10. [Indexed in SCOPUS].
7. Aderonke Anthonia Kayode, **Noah Oluwatobi Akande**, Adekanmi Adeyinka Adegun and Marion Olubunmi Adebiyi, (2019) An automated mammogram classification system using modified support vector machine. Medical Devices: Evidence and Research, Vol. 12, Pp. 275–284. [Indexed in SCOPUS].

8. **Akande N. O.**, Abikoye C. O., Adebisi M. O., Kayode A. A., Adegun A. A., Ogundokun R. O. (2019) Electronic Medical Information Encryption Using Modified Blowfish Algorithm. Lecture Notes in Computer Science, Vol. 11623, Pp. 166-179, Springer [Indexed in SCOPUS + Web of Science].
9. Adebayo Omotosho, Emmanuel Asani, Paula Fiddi and **Noah Akande**, (2019) Image and Password Multifactor Authentication Scheme for e-Voting. Journal of Engineering and Applied Sciences, Vol. 14, Pp. 3732-3740.
10. **Akande Noah Oluwatobi**, Abikoye Oluwakemi Christiana and Kayode Aderonke Anthonia (2019), Automatic Segmentation of Retinal Blood Vessels of Diabetic Retinopathy Patients using Dempster-shafer Edge Based Detector, Asian Journal of Scientific Research, Vol. 12, Issue 3, Pp. 376-383. [Indexed in ISI Web of Science].
11. A. A. Kayode, **N.O. Akande** and E.O. Asani, 2019. Implementation of a Hybrid Feature Selection Algorithm for Improving Classification of Mammograms. Journal of Engineering and Applied Sciences, Vol. 14, pp. 4419-4429.
12. **Akande Noah Oluwatobi**, Abikoye Oluwakemi Christianah, Ayegba Peace, Gbadamosi Babatunde and Adegun Adekanmi Adeyinka (2019), "Segmented Retinal Blood Vessels of Healthy and Diabetic Retinopathy Individual", Journal of Engineering and Applied Sciences, Vol. 14, Issue 16, Pp. 5794-5799.
13. A. A. Adegun, **N. O. Akande**, E. O. Asani, R. O. Ogundokun, (2018) "Image Segmentation and Classification of Large Scale Satellite Imagery for Land use: A Survey of the State-of-the-Arts", International Journal of Civil Engineering and Technology (IJCET), Vol. 9, Issue 11, pp. 1534–1541.
14. **Akande Noah Oluwatobi**, Arulogun Oladiran Tayo, Ganiyu Rafiu Adesina and Adeyemo Isiaka Akinkunmi (2018), "Improving the Quality of Service in Public Road Transportation using Real Time Travel Information System", World Review of Intermodal Transportation. Vol. 7, No. 1, Pp. 57-79. [Indexed in SCOPUS].
15. Ogundokun O. Roseline, Adebisi O. Marion, Abikoye C. Oluwakemi, Oladele O. Tinuke, Lukman Adewale Folaranmi, Adeniyi E. Abidemi, Gbadamosi Babatunde, **Akande O. Noah** (2018), "Performance Evaluation: Dataset on the scholastic performance of students in 12 programmes from a private university in the south-west geopolitical zone in Nigeria", F1000 Research Ltd. [Indexed in SCOPUS].

16. **Akande N. O.**, Abikoye O. C., Adeyemo I. A., Ogundokun R. O., Aro T. O. (2018), "Comprehensive Evaluation of Appearance-Based Techniques for Palmprint Features Extraction using Probabilistic Neural Network, Cosine Measures and Euclidean Distance Classifiers", University of Pitesti Scientific Bulletin: Electronics and Computers Science, Vol.18, Issue 1, pp. 6-14.
17. Oladele, Tinuke Omolewa, **Akande, Noah Oluwatobi**, Aliu, Abdul-Mujeeb Ololade (2018), "A Seamless Payment Approach for Mobile Network Operators in Nigeria", GESJ: Computer Science and Telecommunications, Vol. 53, No.1, pp. 21-29.
18. **Akande Noah Oluwatobi**, Arulogun Oladiran Tayo, Adeyemo Isiaka Akinkunmi, Oyediran Mayowa Oyedepo (2018), "Adaptation and Usability of Quick Response Code for Subscription to Mobile Network Operators' Services", Anale. Seria Informatică. Vol. 16, Issue 1, Pp. 76-95.
19. A. B. Adetunji, J. P. Oguntoye, O. D. Fenwa and **N. O. Akande** (2018), 'Web Document Classification Using Naïve Bayes', Journal of Advances in Mathematics and Computer Science, Vol. 29, no. 6, Pp. 1-11
20. Ganiyu Rafiu Adesina, Adeyemo Isiaka Akinkunmi, Olabiyisi Stephen Olatunde, **Akande Noah Oluwatobi** (2018), "Performance Evaluation of Appearance and Geometry based Algorithms for Facial Feature Extractions", World Journal of Engineering Research and Technology (WJERT), Vol. 4, Issue 4, Pp. 483-493.
21. Abikoye Oluwakemi Christiana, Garba Qudus Adeshola, \***Akande Noah Oluwatobi** (2017), "Implementation of Textual Information Encryption using 128, 192 And 256 Bits Advanced Encryption Standard Algorithm", Annals. Computer Science Series, Vol. 15, Issue 2, Pp. 153-159.
22. Ajala Funmilola Alaba, \***Akande Noah Oluwatobi**, Adeyemo Isiaka Akinkunmi (2017), "Smallest Univalued Segment Assimilating Nucleus based Brain MRI Image Segmentation using Fuzzy C-Means and Fuzzy K-Means Algorithms", International Journal of Computers and Technology, Vol. 16, No 3, Pp. 98-116.
23. Oyediran Mayowa Oyedepo, \***Akande Noah Oluwatobi** (2016), "Design and Implementation of a GSM based Electronic Appliances Monitoring and Controlling System", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 5, Issue 2, Pp. 474-479.

- 24.O. T. Arulogun, A. S. Falohun and \***N. O. Akande (2016)**, “Radio Frequency Identification and Internet of Things: A Fruitful Synergy”, British Journal of Applied Science & Technology, Vol. 18, No. 5, Pp. 1-16.
- 25.**Akande Noah Oluwatobi**, Oyediran Mayowa Oyedepo, Ogundokun Roseline Oluwaseun, Adeyemo Isiaka Akinkunmi (2016), “An Enhanced Principal Component Analysis Approach for Extracting Features in Palmprint Images”, International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), Vol. 23, Issue 5, pp. 58-62.
- 26.Ajala F. A., Adetunji A. B., **Akande N. O.** (2015), “Telemedicine Acceptability in South Western Nigeria: Its Prospects and Challenges”, COMPUSOFT, An International Journal of Advanced Computer Technology, Vol. 4, Issue 9, Pp. 1966-1972
- 27.Ogirima, Sanni Abubakar Omuya, Afolabi, Adeolu .O, Adigun, Abimbola Adebisi, **Akande, Noah Oluwatobi (2014)**, “Development of Campus Video-Conference System Based on Peer-To-Peer Architecture”, Journal of Advancement in Engineering and Technology”, Vol. 1, Issue 2, Pp. 1-7.

## 6. Publications: Conference Proceedings

1. O. C. Abikoye, **N. O. Akande**, R. O. Ogundokun, I. A. Adeyemo (2018), “Digitizing Nigerian Public Bus Transport Using Advanced 26 Travel Information System”, In proceedings of 27th National Conference of Nigeria Computer Society. Theme: Digital Inclusion: Opportunities, Challenges and Strategies.
2. Adeyinka A.A., Adebisi M.O., **Akande N. O.**, Ogundokun R.O., Kayode A.A., Oladele T.O. (2019) A Deep Convolutional Encoder-Decoder Architecture for Retinal Blood Vessels Segmentation. In: International Conference on Computational Science and Its Applications (ICCSA) 2019, pp 180-189.
3. **Oluwatobi Noah Akande**, Adeniyi Kehinde, Kayode Aderonke, Abikoye Christiana, Oladipupo Esau Taiwo (2019), “Comparative Study of Two Divide and Conquer Sorting Algorithms: Quicksort and Mergesort”, Third International Conference on Computing and Network Communications (CoCoNet'19), Indian Institute of

Information Technology and Management-Kerala (IIITM-K), Trivandrum, India, December 18-21, 2019. Publication to be published in Procedia Computer Science.

## **7. Publications: Books/ Chapters in Books**

Adebiyi M. et al. (2019) Computational Investigation of Consistency and Performance of the Biochemical Network of the Malaria Parasite, *Plasmodium falciparum*. In: Misra S. et al. (eds) Computational Science and Its Applications – ICCSA 2019, Chapter 18, Pp. 231-241.

## **8. Conference/Workshop/Seminar Attended**

1. 2018 Induction Ceremony & 13th IT Professionals Assembly. Theme: Professionalism in Information Technology: Past, Present and Future. Abuja International Conference Centre, Central Area, Area 11, 900 Herbert Macaulay Way, Abuja, 19<sup>th</sup> – 22<sup>nd</sup> June, 2018.
2. 27th National Conference of Nigeria Computer Society. Theme: Digital Inclusion: Opportunities, Challenges and Strategies. International Conference Centre, University of Ibadan, Ibadan, Oyo State, July 17-19, 2018.
3. 19<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA) 2019, Saint Petersburg University, Saint Petersburg, Russia, July 1–4, 2019.
4. Third International Conference on Computing and Network Communications (CoCoNet'19), Indian Institute of Information Technology and Management-Kerala (IIITM-K), Trivandrum, India, December 18-21, 2019.

## **9. Accepted Articles in Journals**

1. **Akande Noah Oluwatobi**, Abikoye Oluwakemi Christianah, Gbadamosi Babatunde, Ayoola Joyce, Ayegba Peace, Adegun Adekanmi Adeyinka, Ogundokun Roseline Oluwaseun, Asani Emmanuel Oluwatobi, “Vascular Networks Segmented from Retinal Images of Hypertensive Retinopathy and Glaucoma Patients”, accepted for publication in Journal of Engineering and Applied Sciences on 23rd Nov., 2018.

2. Abikoye Oluwakemi Christiana, Benjamin Aruwa Gyunka, **Akande Noah Oluwatobi**, “Optimizing Android Malware Detection via Ensemble Learning”, accepted for publication in International Journal of Interactive Mobile Technologies on 7<sup>th</sup> November, 2019.
3. Aro Taye Oladele, Abikoye Oluwakemi Christiana, Ogundokun Roseline Oluwaseun, **Akande Noah Oluwatobi**, “Performance Evaluation of Four Distance Classifiers on Ant Colony Optimization based Gabor Features for Facial Recognition”, accepted for publication in International Journal of Engineering Research and Technology (IJERT) on 17<sup>th</sup> December, 2019.
4. Abikoye Oluwakemi Christiana, Abubakar Abdullahi, Ahmed Haruna Dokoro, **Akande Noah Oluwatobi**, Kayode Anthonia Aderonke, A Novel Technique to Prevent Sql-Injection and Cross-Site Scripting Attacks using Knuth-Morris-Pratt String Matching Algorithm, accepted for publication in EURASIP Journal on Information Security on 19<sup>th</sup> July, 2019.

## 10. Articles under Review by Journals

Akande Oluwatobi, Oluwakemi Abikoye, Aderonke Kayode, and Yema Lamari (2020), “Implementation Of A Framework For Healthy And Diabetic Retinopathy Retinal Image Recognition”, submitted to Scientifica on 29<sup>th</sup> December, 2019.

## 11. Invited Reviewer/ Editorial Board Membership

- Reviewer:
 

|  |      |           |
|--|------|-----------|
| a) Journal of Engineering and Reports                                      | 2016 | Till Date |
| b) International Journal of Computers and Applications<br>(SCOPUS Indexed) | 2018 | Till Date |
| c) Social Network Analysis and Mining (SCOPUS Indexed)                     | 2018 | Till Date |



## 12. Undergraduates Supervised till date

| S/N | Student's Name/ Year               | Project Topic   | University  | Status    |
|-----|------------------------------------|---|---|-----------|
| 1.  | Bakare Yusuf (2017/2018)           | Design and Implementation of an Expert System for Diabetes Diagnosis  | LAUTECH Open and Distance Learning Centre (LODLC) | Completed |
| 2.  | Ojo Lekan Toheeb (2017/2018)       | Development of a Secured Medical Record Database using Modified Blowfish Algorithm  | LODLC   | Completed |
| 3.  | Odelowo Blessing (2017/2018)       | Development of a Secured Medical Record Database using Modified Tripple DES Algorithm   | LODLC   | Completed |
| 4.  | Michael Mayowa Adeogun (2018/2019) | Development of a Secure Information Retrieval System using Cryptography and Steganography   | LODLC   | Completed |
| 5.  | Yusuff Ajibola (2018/2019)         | Textual Data Encryption using Hybrid DES/RSA Cryptography   | LODLC   | Completed |
| 6.  | Fatope Adegboyega (2018/2019)      | Soil Type Classification using Support Vector Machine Learning and Artificial Neural Network                                      | LODLC   | Completed |
| 7.  | Adeyemi Adeshina (2018/2019)       | Modified AES Encryption System for improved Data Security   | LODLC   | Completed |
| 8.  | Odole Klinsmann (2018/2019)        | An interactive web, mobile and SMS based E-commerce website using Landmark University Development Ventures (LMDV) as a case study | Landmark University                               | Completed |
| 9.  | Adegoke David Afolabi (2018/2019)  | Real-time Multilingual Mobile and Machine Translation Using Optical Character Recognition and Detection (OCRAD)                   | Landmark University                               | Completed |
| 10. | Obiorumgbe Daniel (2018/2019)      | Pathology Identification in Diabetic Retinopathy Retinal Images   | Landmark University                               | Completed |
| 11. | Gbenle Oluwadara (2019/2020)       | Development of a Rule-based Technique for Detecting and Preventing Smishing Messages  | Landmark University                               | On-going  |
| 12. | Obi-Okoli Chibuzo (2019/2020)      | A Multi-tier Data Communication Technique using AES, RSA & SHA 512 Cryptographic Algorithms                                       | Landmark University                               | On-going  |

|     |                                |   |                     |          |
|-----|--------------------------------|---|---------------------|----------|
| 13. | Kelechi<br>(2019/2020)         | Development of an Insider Threat Detection and Prevention System using a Network Intrusion Detection System and Host based Intrusion Detection System | Landmark University | On-going |
| 14. | Ananti Chukwudi<br>(2019/2020) | Development of a Blended Learning Computer Hardware Game  | Landmark University | On-going |

### 13. Membership of Professional Body

- Member, Nigeria Computer Society [Membership ID: 10561]
- Member, Computer Professionals of Nigeria (CPN) [Membership ID: 005487/2018]
- Member: IAENG Society of Computer Science [Membership ID: 175176]

### 14. Extra- Curricular Activities

- Reading, Surfing the Net, Travelling

### 15. Names and Addresses of Three (3) Referees

1. Prof. O. T. Arulogun

Professor of Computer Systems Engineering,  
Ladoke Akintola University of Technology,  
Ogbomoso, Nigeria.

*otarulogun@lautech.edu.ng*

2. Dr (Mrs) O. C. Abikoye

Department of Computer Science,  
Faculty of Communication and Information Sciences,  
University of Ilorin, Kwara State.


*kemi\_adeoye@yahoo.com*

3. Prof. Aderemi Elijah Okeyinka

Department of Computer Science,  
Landmark University, Omu-Aran, Kwara State.

[aderemi.okeyinka@lmu.edu.ng](mailto:aderemi.okeyinka@lmu.edu.ng)

b) Signature and Date

| Name                  | Signature and Date   |
|-----------------------|--|
| Akande Noah Oluwatobi |  |