

CURRICULUM VITAE

PERSONAL INFORMATION

Surname, Name : Oke, Oluwafemi Ayotunde
Nationality : Nigerian
Date and Place of Birth : 5 May, Lagos
Marital Status : Single



EDUCATION

Degree	Institution	Year of Graduation
Ph.D.	NEU, Computer Information Systems	2024
M.Sc.	Babcock University, Department of Software Engineering	2020
B.Sc.	Babcock University, Department of Computer Engineering (Technology)	2016

WORK EXPERIENCE

Year	Place	Enrollment
Sep,2023- present	Near East University	Part Time Lecturer
Feb,2022- present	Near East University	Research Assistant
Feb,2022- Feb,2024	National Association of Nigerian Students	Assistant Director of IT and Communications
Aug,2021-Dec,2021	GIFA INC	IT Engineer
Sep,2021-Dec,2021	Yeni Bakis	IT Developer
May,2021-Sep,2021	Daxlinks Global	Design Engineer
Sep,2020- Dec,2020	Computer Professionals of Nigeria	Graduate Research Assistant
Sep,2019 –Jan,2020	E-library, Dstreet, Jitsi Meet, Get Foods	Software Tester
Feb,2018-Jan,2019	Taidob College	Head of Audiovisuals
Mar,2018-present	Winners Chapel International	Technical Member
Mar,2017-Feb,2018	Corporate Affairs Commission	IT Engineer
Jan,2017-Feb,2017	National Youth Service Corps	Data analyst
May,2015-Aug,2015	Cadbury Nigeria Plc	Internship

FOREIGN LANGUAGES

- Fluent in English,
- Fluent in Yoruba
- Beginner in Turkish
- Beginner in French
- Beginner in Hausa

CERTIFICATIONS

- Kaggle (2024) - *Machine Learning*
- Kaggle (2024) - *Programming*
- Kaggle (2024) - *Python*
- IBM (2023) - *AIWorkflow: AI in Production*
- IBM (2023) - *AIWorkflow: Machine Learning, Visual Recognition, and NLP*
- IBM (2021) - *Oil & Gas Industry Operations and Markets*
- Duke University (2021) - *Cybersecurity Roles, Processes& Operating System Security*
- Yale University (2021) - *The Science of Well-Being Introduction to CybersecurityTools & Cyber Attacks*
- Android Certified Application Developer (2016)
- CompTIA Network + (2016)
- CompTIA A+ (2015)
- *Master of Computer Science, M.Sc.* (2019) – Babcock University, Graduate School of Computer Science, Department of Software Engineering.
- *Bachelor of Science, B.Sc.* (2016) - Babcock University, Faculty of Computer Engineering, Department of Computer Engineering, Ilisan-Remo, Ogun State.

COURSES

- Huawei Certified Network Associate (HCIA) - *Artificial Intelligence*
- Huawei Certified Network Associate (HCIA) - *Big Data*
- Huawei Certified Network Associate (HCIA) - *Security*
- Course Huawei Certified Network Associate (HCIA) - *Cloud Service TTT*
- *Master of Computer Science, M.Sc.* (2019) – Babcock University, Graduate School of Computer Science, Department of Software Engineering.
- *Bachelor of Science, B.Sc.* (2016) - Babcock University, Faculty of Computer Engineering, Department of Computer Engineering, Ilisan-Remo, Ogun State.

RESEARCH MEMBERSHIP

- Member of Computer Information Systems Research and Technology Centre, Near East University

RESEARCH AWARD NOMINATIONS

- International Research Awards on Cybersecurity and Cryptography; ID 1896
- 2024 Best PhD Thesis Award (Electronics Journal)
- 2025 Near East University Top Trending Research
- 2025 Best Researcher Award (Phenomenological Research Awards)

PUBLICATIONS IN INTERNATIONAL REFEREED JOURNALS (IN COVERAGE OF SSCI/SCI-EXPANDED, AHCI AND ESCI):

- Oluwafemi Ayotunde Oke & Nadire Cavus (Under Review). Environmental Determinants of Cardiovascular Health in Northern Cyprus. *Archives of Cardiovascular Diseases*. (WOS)
- Oluwafemi Ayotunde Oke & Nadire Cavus (Under Review). A Comparative Study On the Classification of Cardiac Conditions Using Artificial Intelligence Models On Electrocardiogram Image Data. *Engineering Applications of Artificial Intelligence*. (WOS)
- Oluwafemi Ayotunde Oke & Nadire Cavus (Under Review). Advancing Cardiac Care: Clinical Integration of Hybrid Model for Automated Heart Disease Diagnosis. *Journal of Cardiovascular Translational Research*. (WOS)
- Oluwafemi Ayotunde Oke & Nadire Cavus (Under Review). An Investigative Bibliometric Analysis On the Impact of AI, ML and DL Technologies in Cardiology. *Archives of Cardiovascular Diseases*. (SCOPUS & WOS)
- Oluwafemi Ayotunde Oke & Nadire Cavus (Under Review). Bibliometric Analysis of Cardiology and Cardiovascular Medicine in Western Europe. *Health Affairs*. (SCOPUS & WOS)
- Oluwafemi Ayotunde Oke & Nadire Cavus (Under Review). Use of machine learning models for ECG analysis, diagnosis and interpretation in cardiology: A systematic review. *Revista Portuguesa de Cardiologia*. (SCOPUS & WOS)
- Oluwafemi Oke, Cavus, N. (Under Review). Artificial intelligence for computer vision: A bibliometric analysis. *International Journal of Data Science and Analytics*. (SCOPUS & WOS)
- Ayotunde, O. O., & Cavus, N. (2025). Natural Language Processing in Conversational Systems: An Overview. *Journal of Advanced Artificial Intelligence*, 1(4). <https://jaaionline.org/archives/volume1/number4/ayotunde-jaa202418.pdf>
- Oke, O. A., & Cavus, N. (2025). Electrocardiogram image classification for six classes of heart diseases. *Iran Journal of Computer Science* 2025, 1–21. <https://doi.org/10.1007/S42044-025-00227-X>
- Oke, O. A., & Cavus, N. (2025). A systematic review on the impact of artificial intelligence on electrocardiograms in cardiology. *International Journal of Medical Informatics*, 195, 105753. <https://doi.org/10.1016/J.IJMEDINF.2024.105753>
- Oluwafemi Ayotunde, O., & Cavus, N. (2024). The role of AI in financial services: A bibliometric analysis. *Journal of Computer Information Systems*, 1-13. <https://doi.org/10.1080/08874417.2024.2304545>
- Oluwafemi Ayotunde, O., Jamil, D. I., & Cavus, N. (2023). The impact of artificial intelligence in foreign language learning using learning management systems: A systematic literature review. *Information Technologies and Learning Tools*, 95(3), 215-228, <https://doi.org/10.33407/itlt.v95i3.5233>

- Ghufuran, S.F., & Oke, O.A. (2025). Cybersecurity Preparedness Across Global Region: A Comparative Exploratory Data Analysis International. *Cybersecurity Law Review*. (WOS – Under Review).
- Noor, K.O.A., & Oke, O.A (2025). Clinical and Pathological Factors Influencing Breast Cancer Recurrence Using Structured Patient Data Correlation and Relationship Analysis. *Clinical and Medical Engineering Live*. (WOS – Under Review).
- Yasir A.T.A., & Oke, O.A (2025). A Correlation and Relationship Analysis for Investigating Cyber Attack Patterns Across Network Protocols, Devices, And Log Sources. *Internet Research*. (SCOPUS – Under Review).
- Abigail, G., & Oke, O.A (2025). Correlation and Relationship Analysis in The Influence of Socioeconomic and Educational Factors On Student Performance in Core Subjects. *Social Psychology of Education*. (WOS – Under Review).
- King, K.M., & Oke, O.A (2025). Weather Data Analysis: Investigating Relationships Among Humidity, Dew Point, Wind Patterns, and Rainfall Trends. *Theoretical and Applied Climatology* (SCOPUS – Under Review).
- Bashar, M., & Oke, O.A (2025). A Time-Series Approach in Analyzing In-Game Markets and Player Incentives for Virtual Economics with Real World Implications. *Games and Economic Behavior*. (WOS – Under Review).
- Charles, Z.Y., & Oke, O.A (2025). Analyzing Transactional Behavior and Financial Patterns Using Data Analysis Approaches. *Journal of Banking and Financial Technology*. (WOS – Under Review).
- Musu, M.K., & Oke, O.A (2025). Correlation Analysis of Condom Market Forces, Public Awareness Mechanisms, and Health Outcomes Using Global Data. *Marketing Letters*. (WOS – Under Review).
- Hauwa, A.W., & Oke, O.A (2025). A Categorical Analysis On Medical Cost in The United States of America. *Journal of Public Health*. (SCOPUS & WOS – Under Review).
- Joyeuse, M., & Oke, O.A (2025). The Impact of Mental Health on Academic Performance Through Correlation and Relationship Analysis. *Social Psychiatry and Psychiatric Epidemiology*. (WOS – Under Review).
- Mehmet, A., & Oke, O.A (2025). Exercise Behaviors and Health Metrics Using Synthetic Gym Data: A Correlation-Based Analysis German. *Journal of Exercise and Sport Research*. (SCOPUS & WOS – Under Review).
- Alwaled, K.S.S., & Oke, O.A (2025). Comparative Analysis of Internet Usage Rates: An Exploratory and Correlational Study. *Internet Research*. (SCOPUS & WOS – Under Review).
- Fulbert, M.K.N., & Oke, O.A (2025). Using Artificial Intelligence to Analyze Daily Physical Activity and Its Impact on Calorie Burn Using Fitbit Data in the Fitness Landscape. *Journal of Biomedical Informatics*. (SCOPUS & WOS – Under Review).
- Temi, O.M., Victor, A.O., & Oke, O.A (2025). Mapping Global Cybersecurity Readiness: A Comparative, Correlational, and Clustering Analysis of Exposure,

Development, and Regional Risk. *Computers & Security*. (SCOPUS & WOS – Under Review).

- Victor, A.O., Temi, O.M., & Oke, O.A (2025). Explainable Intrusion Detection via Correlational Analysis of Network Session Features Using SHAP and Deep Neural Networks. *Journal of Network and Computer Applications*. (SCOPUS & WOS – Under Review).

INTERNATIONAL CONFERENCE:

- Oluwafemi Ayotunde, O., & Cavus, N. (2023). Digital Money and Financial Inclusion: Bridging the Gap. In *Proceedings of the 4th International Conference on Data Science and Applications (ICDSA 2023)*, July 14-15, 2023, Malaviya National Institute of Technology Jaipur, India.
- Ayotunde, O. O., & Cavus, N. (2023). Ethical considerations in AI and machine learning: A roadmap for researcher/end-user. *Paper Presented at the VI-International Antalya Scientific Research and Innovative Studies Congress*. 02-04 December 2023, Antalya, Turkey.
- Ayotunde, O. O., Nuriye, N., & Cavus, N. (2023). *The future of water management: IoT-based solutions for intelligent distribution design (2023)*. *Paper Presented at the 3rd International Conference on Water Problems in Mediterranean Countries (WPMC-2023)*. 15-17 Aralık 2023. Lefkoşa, Cyprus.
- Ayotunde, O. O., Sancar, N., & Cavus, N. (2023). Building tomorrow: Green and sustainable imperatives in smart city development. *Paper Presented at the 6th International Conference on Natural Resources and Sustainable Environmental Management (NRSEM-2023)*. 15-17 Aralık 2023. Lefkoşa, Cyprus.
- Ayotunde, O. O., & Cavus, N. (2024). Climate Change, Sustainability, and Healthcare in Northern Cyprus: Predictive Insights for Tourists and Professionals. *Paper Presented at the 7th Global Healthcare Travel Forum GHTF-2024*. 17-21 Nisan 2024. Lefkoşa, Cyprus.
- Ayotunde, O. O., & Cavus, N. (2024). The Role of Health Tourism in the GDP and Development of Northern Cyprus: Exploring International Health Insurance and Beyond. *Paper Presented at the 7th Global Healthcare Travel Forum GHTF-2024*. 17-21 Nisan 2024. Lefkoşa, Cyprus.

BOOK CHAPTER

- Cavus, N., Oke, O.A., Yahaya, J.Mu. (2023). Brain-Computer Interfaces: High-Tech Race to Merge Minds and Machines. In: Daimi, K., Alsadoon, A., Coelho, L. (eds) *Cutting Edge Applications of Computational Intelligence Tools and Techniques*. Studies in Computational Intelligence, vol 1118. Springer, Cham. https://doi.org/10.1007/978-3-031-44127-1_1. (SCOPUS)
- Ayotunde, O. O., Sancar, N., & Cavus, N. (2023). Building tomorrow: Green and sustainable imperatives in smart city development. In: Gökçekuş, H., Kassem, Y. (eds) *Climate Change and Natural Resources*. NRSEM 2023. Environmental Earth Sciences. Springer, Cham. http://dx.doi.org/10.1007/978-3-031-72479-4_38. (SCOPUS)

- Ayotunde, O. O., & Cavus, N. (2025). The Role of Health Tourism in the GDP and Development of Northern Cyprus - Exploring Universal Health Coverage and Beyond. In: Gökçekuş, H., Kassem, Y. (eds) Sustainable Health Tourism Solutions for Climate Change. (SCOPUS)
- Ayotunde, O. O., & Cavus, N. (2025). Predictive Insights for Tourists and Professionals on Climate Change, Sustainability, and Healthcare in Northern Cyprus. In: Gökçekuş, H., Kassem, Y. (eds) Sustainable Health Tourism Solutions for Climate Change. (SCOPUS)
- Ayotunde, O. O., & Cavus, N. (2025). Sustainable Health Tourism Solutions for Climate Change. In: Gökçekuş, H., Kassem, Y. (eds) Sustainable Health Tourism Solutions for Climate Change. (SCOPUS)

COMMNETARY / MINI REVIEW

- Oluwafemi Oke, Cavus, N. (2025). A systematic review on the impact of artificial intelligence on electrocardiograms in cardiology. *Journal of Cardiology and Cardiovascular Sciences*. (SCOPUS & WOS - Under Review)

PRESENTED WEBINARS

- Ayotunde, O. O., & Cavus, N. (2023). Machine Learning in Health Sciences. *Webinar Presented at the Department of Computer Information Systems-Computer Information Systems Research and Technology Center*. 9 Mart, 2023. Lefkoşa, Cyprus.
- Ayotunde, O. O., & Cavus, N. (2023). Smart Campus. *Webinar Presented at the Department of Computer Information Systems-Computer Information Systems Research and Technology Center*. 25 Ekim, 2023. Lefkoşa, Cyprus.

THESISES

Ph.D.: Oke, O.A. (December, 2024). *ECG Diagnosis, Analysis, And Interpretation in Cardiology Using Deep Learning Models for Classification and Prediction*. Dissertation, Near East University, Graduate School of Applied Sciences, Department of Computer Information Systems, Nicosia, Cyprus.

Master: Oke, O.A. (2019). *Hybrid Intelligent Internet of Things (IOT) Systems for Automated Homes*. Thesis, Babcock University, Graduate School of Computer Science, Department of Software Engineering, Ilishan-Remo, Ogun State.

Lisans: Oke, O.A. (2016). *Radio Frequency Identification in Doors*. Graduation Project (B.Sc.), Babcock University, Graduate School of Computer Science, Department of Computer Technology (Engineering), Ilishan-Remo, Ogun State.

ADMINISTRATIVE DUTIES

- Part-Time Lecturer (Department of Computer Information Systems) (Sep, 2023-Recent)
- Department Assistant (Department of Computer Information Systems) (Mar, 2021- Jun, 2023)
- Research Assistant in Computer Information Systems Research and Technology Centre, Near East University (Mar, 2021 - Recent)

- Assistant Director of IT and Communications - National Association of Nigerian Students (Feb, 2022 – Feb, 2024)
- Head, Audiovisual - Taidob College (Mar, 2018-Jan, 2019)
- Head, ICT– Corporate Affairs Commission (Feb, 2017-Feb, 2018)
- Project Manager - National Youth Service Corp (Jan, 2017-Feb, 2017)

HOBBIES

- Tehnology, Travel, Food and Music.

SKILLS

Technical Skills: System Analyst, Artificial Intelligence, Embedded Systems, Software Engineering, UI/UX design, SQLServer, DataVisualization, Machine Learning, Cloud Computing, Web Development, PHP and Python Development, Mobile development: Flutter and Dart, Cybersecurity and Information Security.

Soft Skills: Leadership, Self-awareness, Communication skills, Emotional intelligence.

Hard Skills: Problem-solving, Coding, Experimentation, Computer and technology knowledge, Programming languages, Technical writing, Software development.

COURSES TAUGHT OVER THE LAST TWO ACADEMIC YEARS

Academic Year	Term	Course Name	Hours/Week		Number of Students
			Theoretical	Applied	
2023-2024	Fall	CIS340+CIS240-Internet Programming	3	0	24
	Spring	CIS348+MIS321-E-Buisness	3	0	30
		CIS488+CIS288+MIS488- Web Development	3	0	2
2024-2025	Fall	CIS340+CIS240-Internet Programming	3	0	24
		CIS363+CIS263-Software Engineering	2	0	25
	Spring	CIS202 Operating Systems	2	0	23
		CIS348+MIS321-E-Buisness	3	0	35
		CIS551 Artificial Intelligence in Data Analytics	3	0	15