

# Oluwatobi Malomo

| +234(816)671-1017 | [oluwatobis.malomo@gmail.com](mailto:oluwatobis.malomo@gmail.com) | [linkedin.com/in/oluwatobi-malomo](https://www.linkedin.com/in/oluwatobi-malomo)

## Education

---

- University of Lagos**, Lagos Nigeria 2025  
*MSc in Computer Science (3.33/4.0 CGPA)*  
Thesis Title: *Adversarial Training and Differential Privacy-Enhanced Defense Mechanism for Vertical Federated Learning*
- Federal University of Technology**, Minna, Nigeria 2021  
*BTech in Computer Science (4.62/5.0 CGPA)*  
Thesis Title: *Classification of Fake COVID-19 Tweets Using Machine Learning Algorithms*

## Publications

---

- Azeez, N. A., **Malomo, O.S.**, Aaron, D.S., Ademoye, A.A., Okerinde, O.M., Otolehi, U.D., & Lukman, O.O. (2025). Artificial Intelligence in Cybersecurity: A Comparative Review of Its Role across the Cyber Kill Chain. *University of Ibadan Journal of Science and Logics in ICT Research*, 14(1).
- Malomo, O.S.**, Uduimoh, A.A., Alhassan, J.K. (2023). Application of Machine Learning Algorithm for Classification of Fake COVID-19 Tweets. *Journal of Science, Technology, Mathematics and Education (JOSTMED)*.

## Manuscript Under Review

Malomo, O.S., & Azeez, N.A. *Adversarial Training and Differential Privacy for Privacy-Preserving Vertical Federated Learning*.

## Research Experience

---

- Research Assistant** 2021 - 2023  
*Department of Computer Science, Federal University of Technology Minna*
- Revised articles and other literature materials on subject areas including Fake News Detection, Data Mining, and Social Media Analysis, among others.
  - Reviewed and edited publication drafts for Professor John Alhassan and Dr Oluwaseun Ojerinde
- Graduate Research Assistant** 2024-present  
*Dr. N.A. Azeez, Department of Computer Science, University of Lagos, Nigeria*
- Conducted research conceptualization and literature review on the intersection of Artificial Intelligence and Cybersecurity
  - Assisted with methodology design, comparative model benchmarking and evaluation
  - Contributed to peer-reviewed AI and cybersecurity-focused publications and structure response to reviewer revisions

## Teaching Experience

---

- Academic Tutor** 2017-2021  
*Department of Computer Science, Federal University of Technology, Minna, Nigeria*
- Mentored five students and provided them with learning materials with two of them graduating with First Class Honors in their class
  - Guided colleagues with their research work
- Classroom Instructor** - St Michaels Schools, Kontagora 2016
- Successfully taught 50 pupils recording 95% academic rating and 100% graduation for the year
  - Prepared the senior pupils for high school entrance examinations with a 100% pass rate
  - Volunteered as the school's IT instructor responsible for introducing the pupils to the operations of a computer system via a weekly computer training session

## Industry Experience

---

- Cybersecurity Engineer | Data & Research Analyst** 2021-present  
*CBC Gedu Technologies, Lagos, Nigeria*
- Installation of Entrust MFA solutions

- Conducted log analysis for anomaly detection and system performance optimization to achieve 97% customer satisfaction for top the subsidiaries of a leading financial institution operating across eight African countries
- Built data visualization dashboards for reporting key insights to stakeholders
- Performed research tasks on new and emerging technologies for future investments
- Conducted extensive research on prospective clients leading to a 25% customer base growth
- Automated the company's interview examination thus streamlining the overall interview process
- Supported the deployment and configuration of secure digital identity and multi-factor authentication systems for a top 5% financial institution in Nigeria

### Leadership & Volunteer Experience

---

<b>Reviewer</b> , Nigeria Journal of Technological Development (NJTD)	2025-present
<b>Class Representative</b> , Department of Computer Science, FUT Minna	2018-2021
<b>President</b> , Nigerian Association of Computing Students, FCE Kontagora	2015
<b>Platoon Leader</b> , National Youth Service Corps (NYSC)	2021
<b>Registration Team Lead</b> , Young Ministers' Retreat (YMR)	2023-present

### Awards & Honours

---

<b>EducationUSA OFP Scholar</b> Top 1% of 7000 applicants for the US Department of State	2022
<b>Vice Chancellor's Award</b> FUT Minna endowment award for students with CGPA > 4.50	2018-2021
<b>Data Hackathon Winner</b> Award and scholarship for ranking in the Top 1% at the Utiva Virtual Data Hackathon	2021

### Technical Skills

---

**Languages:** Python

**Frameworks:** Tensorflow, Keras, Pytorch, Pytorch Lightning, Matplotlib, Seaborn

**Developer Tools:** Git, Docker, Google Cloud Platform, VS Code, Neptune, Linux, Jupyter Lab, Wandb

**Libraries:** Scikit-Learn, Vaex, NLTK, NumPy, Pandas, Gensim, Matplotlib, Seaborn, Hugging Face