

# Ayano, Oluwafolake Ayobami

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## EDUCATION

PURDUE UNIVERSITY, WEST LAFAYETTE	PhD in Computer & Information Technology (In view)	2022
UNIVERSITY OF IBADAN, IBADAN	M.Sc Computer Science	2010
UNIVERSITY OF IBADAN, IBADAN	B.Sc. Computer Science (First Class)	2005
THE POLYTECHNIC IBADAN, IBADAN	National Diploma Computer Science (Upper Credit)	2000

## PROFILE

I am a Researcher, Data Scientist, Machine Learning Expert and highly skilled Information Technologist with over 11 years' experience in deploying software and data analytic solutions to various operations within the financial sector and automates processes that deliver a direct impact on the bottom line of the organization. Skilled, trained and knowledgeable in all aspects of the software development lifecycle, database administration, data analysis, IT support with vast technical, results-oriented and problem-solving skills.

## PROJECTS

- Community Detection and Evolutionary Prediction in Dynamic Networks (PhD Research)
- Data Wrangling, Analysis and Modelling using Python libraries and Machine Learning Techniques 2020
- Real Estate Prediction: Applied machine Learning technique to make prediction using Real Estate Data 2019
- Data Mining Approach to Identifying factors contributing to motor vehicle collision 2019  
using python (Panda, Mlxtend, Matplotlib)
- Expansion of Cyber Attack Data from Unbalanced Dataset using Generative Adversarial Techniques. 2018  
An applied Cybersecurity research by information Security Research and Education (INSuRE)  
on Problem of National Security.

## PROFESSIONAL EXPERIENCE

### GRADUATE SCHOOL, PURDUE UNIVERSITY INDIANA (Information Management and Analysis Office)

*Graduate Assistant: Database Programmer*

*Sept 2018 - to date*

- Automates business processes that results in saved time and optimal system performance using PL/SQL
- Reviews and overhauls existing applications for enhanced functionality of the Graduate School Information Management and Analysis System.

### ZENITH BANK PLC, NIGERIA

*Software Developer /Business Analyst*

*April 2007 – Aug 2018*

- Automated business processes that replaced manual methods and impact the bottom line of the organization.
- Generated high-level income report for management's decision on daily and monthly basis- example includes – top 50 customers, Top 10 profitable branches in the country.
- Analysed and transformed data using Pentaho
- Produced reports in dashboards using Business insight to aid result presentation.
- Designed standard reports for national banking regulatory bodies (Central Bank of Nigeria, EFASS) on the bank activities with Jasper Reporting tool.
- Developed Fraud Check Application that monitors Internet Banking Transactions for fraudulent transfers.

- Responsible for the Automation of the Electronic Fund Transfer Process for the bank’s subsidiaries in other African countries (Ghana, Sierra Leone and Gambia).
- Coordinated software development, testing and deployment to Zenith bank’s subsidiaries in other African countries (Ghana, Sierra Leone and Gambia)

## COMPETENCIES

- Software Development Tools: - **Python, Power Builder, C#, HTML, PLSQL, Java and PHP**
- Data analytic and visualization Tools: - **Excel, Tableau, SAS, Python and R**

## KEY SKILLS

Machine Learning Methodologies, Optimization Techniques, Random Forest, Ensemble Models, Data Mining & Analytics, Logistic Regression.

## PROFESSIONAL MEMBERSHIP

Member, Association of Computing Machinery (ACM)

Member, Information Security Research and Education (INSuRE)

Member, Center for Education and Research in Information Assurance and Security (CERIAS)

Member, Women in CyberSecurity (WiCyS – Purdue Chapter)

## PROFESSIONAL CERTIFICATIONS

- |  |      |
|--|------|
| • Oracle Autonomous Database Specialist                  | 2020 |
| • Collaborative Institutional Training Initiative (CITI) | 2019 |
| • Oracle Certified Administrator (OCA)                   | 2010 |
| • Oracle Database SQL Expert                             | 2010 |
| • ITIL version 3 foundation                              | 2008 |

## PROFESSIONAL TRAINING

- |   |      |
|---|------|
| • Developing Java Web Applications Learning Tree International (Onsite), Nigeria                                    | 2016 |
| • Building REST and SOAP Web Services; Learning Tree International (Onsite), Nigeria                                | 2016 |
| • Developing Enterprise Java Applications with Spring and Hibernate; Learning Tree International (On site), Nigeria | 2016 |
| • C# Programming; Learning Tree International New York USA  | 2015 |
| • Building ASP.NET Web Form Applications; Learning Tree International Virginia, USA                                 | 2015 |
| • Operational Risk Management; Control Edge Consulting, Nigeria   | 2013 |

## AWARDS

- Exemplary Academic Performance 2003/2004 Academic Session. Faculty of Science, University of Ibadan
- Exemplary Academic Performance 2002/2003 Academic Session. Faculty of Science, University of Ibadan.
- Exemplary Academic Performance 2001/2002 Academic Session. Faculty of Science, University of Ibadan.

## RESEARCH PUBLICATION

Ayano, Oluwafolake & Akinola, Solomon O. (2017). A multi-algorithm data mining classification approach for bank fraudulent transactions. African Journal of Mathematics and Computer Science Research. 10. 5-13. 10.5897/AJMCSR2017.0686.