

Adeoye Onaopemipo Victor

Top 1% First Class Honors - Certified TIIDELab Solutions Developer + Sustainable Design Engineer + Data Analyst

Biltmore Homes Estate Galadimawa, FCT, Abuja, Nigeria

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PROFESSIONAL SUMMARY

Dedicated and versatile professional with an innovative engineering background and supplementary certifications in Solution Development, Information Management, and Data Analysis from Mythos Lab (US Embassy Sponsorship) and TIIDELab. Experienced data-driven engineer proficient in data collection, analysis, visualization, presentation, project management, web management, and community development, bringing a hands-on approach to every role. Proficient in JavaScript, Python, SQL, GIS, and various data analysis tools to effectively process and visualize complex datasets. Passionate about contributing technical skills and experience to support humanitarian efforts and create meaningful impact.

EDUCATION

• **University of Abuja, Abuja**
Bachelor of Engineering, B.Eng

2016-2022

Civil Engineering

Final Cumulative GPA: **4.55 out of 5.0 CGPA**

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SKILLS

Languages *Proficient* JavaScript(4yrs) · Nodejs(1yr) · Python(3yrs) · *Intermediate* SQL(3yrs) · MongoDB(2yrs) · PHP(<1yrs)

Software MS Excel · MS Word · MS PowerPoint · WordPress · MySQL · SPSS · NVivo · Git · Trello · Notion · Canva

Specialty Certs Certified Mythos Lab (US Embassy Sponsorship) Information Management Specialty · NICE Certified GIS Specialty · LinkedIn Certified Python Programming · Udacity Certified SQL Specialty · PMI Nigeria

Creative Public Speaking · Interpersonal · Leadership · Teamwork · Vision-board · Human-centric Design · Database Management · Fact Checking · Quality Control · Effective Communication · Technical Assistance · Organizational · Advocacy

EXPERIENCE

FIXITALL HANDYMAN MULTISERVICE

OPERATIONS ENGINEER

Abuja,

May 2024 - Present

Enterprise Impact

- Optimized project costing and resource allocation by developing data-driven assessment tools using MS Excel and MySQL.
- Enhanced operational efficiency by implementing an information management system with Trello and Notion, reducing project turnaround time by 25%.
- Implemented a website traffic monitoring system on WordPress, using SQL for data analysis, and presented weekly data-driven decision-making based on visualized traffic data, which improved site performance and client engagement by 35%.

Team Impact

- Implemented project management methodologies such as Agile, increasing team productivity by 45%, facilitating on-time project delivery.
- Launched an internal knowledge-sharing platform using WordPress to improve collaboration and innovation among a team of 10 professionals.
- Developed training programs for team members on advanced data management techniques with SPSS and NVivo, improving data accuracy by 20%.

DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF ABUJA, ABUJA

VOLUNTEER ASSISTANT LECTURER (PART-TIME)

January 2024 – Present

- Lectured undergraduate design studio courses (300L-500L), providing instructions, and guiding the development of civil engineering project designs using CAD and BIM Technologies.
- Mentored and guided students through practical sessions and projects.

ADSTRUC ASSOCIATES LIMITED

CIVIL/STRUCTURAL ENGINEER

October 2023 – Present

- Successfully designed and managed the construction of a major health infrastructure project, ensuring compliance with regulatory standards, completed the project within the specified timeline, and achieved cost savings of 10% through efficient resource allocation using BIM and CAD system.
- Vented structural drawings to meet standard requirements.
- Promoted sustainable development innovation and enhancing appreciation for architectural history and cultural heritage.
- Participated in stakeholder and project manager meetings to provide input on alignment of project goals, identify project challenges and captured key decision.
- Assisted in the preparation of the Bill of Engineering Measurement and Evaluation (BEME) and Bar Bending Schedules (BBS).

NATIONAL SERVICE - SITE ENGINEER (FULL -TIME)

- Assisted the chief resident engineer in overseeing the expressway construction process, ensuring project objectives and quality standards were met through the use of data-driven project
- Contributed to the designs of bitumen production and admixture usage for pavement construction by leveraging Python for material analysis and MySQL for managing design data.
- Prepared accurate records of construction progress, daily activities, and any deviations from plans using MS Excel for detailed data logging and MS Word for comprehensive reporting.
- Studied weather forecasts to inform team decision on optimal work execution times, minimizing weather-related disruptions and ensuring timely project completion.
- Participated in stakeholder and project manager meetings, providing input on alignment of project goals, identifying project challenges, and capturing key decisions with the help of MS PowerPoint for presentations and MS Word for documentation.

CREATARC NOUS LIMITED, JABI, ABUJA**March 2021 – December 2021****STRUCTURAL ENGINEER (INTERNSHIP)**

- Collaborated with the structural engineering team in the design and analysis of multiple semi-detached four-bedroom duplexes using AutoCAD and ProtaStructure in compliance with structural design codes and standards.
- Assisted in the preparation of Bill of Engineering Measurement and Evaluation (BEME) and Bar Bending Schedules (BBS).
- Participated in the development and monitoring of project plans, ensuring alignment of design activities with project timelines, budget constraints, and client requirements.

SHAMS CONSULTANCY LIMITED, JABI, ABUJA**December 2019 – March 2020****STRUCTURAL ENGINEER (INTERNSHIP)**

- Performed structural analysis and design of complex lecture theatre auditoriums based on the architectural design using AutoCAD, BEAMAX, Protastructure, and Excel in compliance with BS codes and standards.
- Prepared Geotechnical reports of project sites.
- Participated in the design and supervision of University of Abuja, department of Agriculture lecture theatre auditorium.

TIIDELab. FCT, Abuja**SOFTWARE ENGINEERING FELLOW****Apr 2023- Dec 2023**

- Selected for a full-stack JavaScript program as one of 72 fellows out of 8000+ applicants
- Developed projects in MongoDB, ExpressJS, React, NodeJS + best practices from design to deployment
- Leveraged knowledge: Git workflows, testing, CI/CD, agile development, MVC pattern, APIs/Microservices

DEPARTEMENT OF CIVIL ENGINEERING, UNIVERSITY OF ABUJA, Abuja**UNDERGRADUATE RESEARCH ASSISTANT****Aug 2018 - Aug 2019**

- Utilized Python for data analysis and visualization to assist in research on controlling rising damp in existing buildings using hydrophobic admixtures and moisture barrier coatings.
- Implemented SQL databases to organize and manage experimental data from laboratory and field trials.
- Employed MS Excel for detailed data analysis and SPSS for statistical analysis to evaluate the performance and feasibility of incorporating rice husk in concrete mixes, aiming to reduce cement content and enhance sustainability in construction practices.
- Developed comprehensive reports and presentations using MS Word and MS PowerPoint to communicate findings to the research team and stakeholders.

VOLUNTEERING SERVICES**Research Assistant (Volunteer) / University of Bradford****Sept 2023 - Nov 2023**

- Contributed to the stainless-steel composite beam performance project by using ABAQUS Finite Element Analysis technology, providing critical data and analysis to support the research objectives.
- Assisted the researcher in developing comprehensive reports and visualizations of the research findings using MS Excel and MS Word and A1 Figma Design to enhance the presentation and communication of results

Project Manager / Charity CDS group, National Service**Oct 2023**

- Led a community development project using project management tools like Trello and Notion to ensure timely completion and alignment with objectives.
- Chaired the sub-team for crowdfunding, successfully raising funds to support the community project.
- Designed MS Excel for budgeting, resource allocation, and tracking project expenses, ensuring efficient use of funds and transparency in financial reporting.
- Coordinated a team of volunteers for the quality education project at an IDP camp
- Organized stakeholder meetings and presentations using MS PowerPoint and Word, effectively communicating project progress, challenges, and outcomes.

Program Coordinator / ViSCOD in Africa**Jan 2018 - Mar 2018**

- Coordinated NEEDS Assessment and field situations by analyzing data on focus groups, and providing profiles of the coverage areas.
- Led a team of volunteers in executing educational and health initiatives
- Provided support with data collection from partners, analyzed information, and supported the development of reports

OTHER CERTIFICATIONS

- Certificate of National Service 2023
- Certificate in Information Management, Mythos Lab (US Embassy Sponsorship) 2023
- Certificate in Agile Project Management, PMI Nigeria 2023
- Certificate in Reinforced Concrete Design, MO GOLD Integrated Limited, Nigeria 2023
- Certificate in Sustainable Design, Nigerian Institution of Civil Engineers 2022
- Certificate in Fundamentals and Applications of Geographic Information Systems (GIS) Training, NICE 2022
- Certificate in Eco-friendly Engineering Innovation Challenge 2022
- Certificate in Drone Application in Construction, 2021
- Certificate in CAD and BIM Structural Design Software, P-Delta Structural Initiatives 2021
- Certificate in Soft Skills, Jobberman 2021
- Certificate in Life and Business Skills, IBM SkillsBuild 2021
- Certificate in Design and Construction Training, Nigerian Institution of Civil Engineers 2021
- Certificate in Front End Development, FreeCodeCamp 2021
- Certificate in Learning Python Programming Language, LinkedIn 2021

AWARDS

- Leadership Award for TIIDELab Software Development Program 2023
- Impact Award for Volunteering at Community Development Service, TIIDELab Outreach Program 2023
- Excellent Project Manager Award, for NYSC Community Development Service Group (FCT-ABUJA) 2023
- TIIDELab Fellowship Cohort 5 Scholarship 2023
- 3rd Best Graduating Student, Department of Civil Engineering, University of Abuja, Nigeria. 2022
- Outstanding Leadership Award, Fellowship of Christian Students 2022
- 5th Position, Development of Sustainable Construction Materials Competition 2022
- Access Bank/Udacity Advance Africa Scholarship for Emerging Leaders (Training Award) 2021
- Agbami Scholarship Award for Selected Individuals in Top Nigerian Universities (N100,000) 2021
- MTN Scholarship Award for Selected Individuals in Top Nigerian Universities (N100,000) 2020
- The Nigerian Institute of Civil Engineers (Chairman's Honor Award) 2018

ACTIVITIES

Headstarter SWE Fellow - **2024** | TIIDELab SWE Fellow - **2023** | **Africa SDGs Mentorship Fellow** - **2023** | National Library of Nigeria Capacity Building Trainer **2023** | YouPad, Agora Public Policy Discussion Participant - **2022** | NECA Tech Empowerment Program - **2023** | NICE National Conference - **2022**

PROFESSIONAL MEMBERSHIP

- Nigeria Society of Engineers (NSE) – Member
- Nigerian Institution of Civil Engineers (NICE) – Member
- International Association of Engineers (IAENG) – Member

PRESENTATIONS

- Maximizing CAD Technology using AUTOCAD and PROTASTRUCTURE For Sustainable Civil Infrastructure Design Presented at the Civil Engineering Innovation Technology Summit 2024, Jos City Nigeria.
- Sustainable Design Thinking Process in Structural Engineering Presented at the Nigerian Institution of Civil Engineers Student Affiliate North-Central Zone Technical Session 2024.
- Cultural Sustainability in Resettlement: Assessing Pet Blocks for Eco-Friendly Rehabilitation Infrastructure In Nigeria at the 3rd International Conference Hosted by the Centre For The Study And Promotion Of Cultural Sustainability, **University Of Maiduguri**, Nigeria in Partnership with University of Hildesheim (Germany) 2024.
- Workplace Etiquette: Building Blocks of Professional Excellence Presented at Bratim Business School Capacity Building Session 2023, Abuja, Nigeria
- Ethical Use of Artificial Intelligence for Quality Research Output presented Crusader4Literacy Virtual Research Summit 2023
- Maximizing Technology for Fact-Checking (MTF101) Presented at the National Library of Nigeria Capacity Building Session, Nasarawa State University, Lafia, and University of Abuja, Nigeria 2023
- Polyethylene Terephthalate (Pet): An Approach to Developing Sustainable Construction Materials Presented at the Nigerian Institution of Civil Engineer Annual Conference Sustainable Construction Material Development 2022, Lagos, Nigeria.

PUBLICATIONS

- Cultural Sustainability in Resettlement: Assessing Pet Blocks for Eco-Friendly Rehabilitation Infrastructure In Nigeria (Accepted for publication by the Centre For The Study And Promotion Of Cultural Sustainability, University Of Maiduguri, Maiduguri, Nigeria).
- Onaopemipo V. A. (2022) Analysis And Design Of University Of Abuja Mini-Indoor Recreation Complex (Thesis submitted for the award of Bachelor of Engineering, Faculty of Engineering, Department of Civil Engineering, University of Abuja) ResearchGate [DOI](#)