

SAMUEL OCHOCHÉ PETER

Nigeria

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GitHub: [Samuel Ochoche Peter Portfolio](#)

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PROFESSIONAL SUMMARY

Computer Science graduate, Cybersecurity Enthusiast, Software & Web Developer, Data Analyst, and Technical Instructor with hands-on experience in building web applications, analyzing data, conducting cybersecurity and networking labs, and delivering technology training. Skilled in Python, SQL, Power BI, PHP, Flutter, React Native, HTML, CSS, JavaScript, MySQL, and modern web technologies, with practical knowledge of Kali Linux, Nmap, Hydra, Ubuntu Server, VLAN configuration, and penetration testing fundamentals.

Proven ability to develop real-world software solutions, analyze datasets for actionable insights, support administrative and technical operations, and train students in programming, data analytics, web development, and cybersecurity concepts. Experienced working both independently and collaboratively within teams, in on-site and remote environments.

Passionate about leveraging technology to solve business problems, improve digital systems, strengthen cybersecurity awareness, and support digital transformation initiatives. Open to roles in Software Development, Cybersecurity, Data Analysis, IT Support, Technical Instruction, Administrative Support, and Remote Technology Positions.

CORE TECHNICAL SKILLS

Data Analysis & Business Intelligence

- Microsoft Excel (Advanced, Pivot Tables)
- Power BI (Dashboards & Reporting)
- SQL (PostgreSQL, MySQL)
- Data Cleaning & Data Visualization
- Analytical Reporting & Insights
- Exploratory Data Analysis
- KPI Monitoring & Reporting

Programming & Data Science

- Python
- Pandas, NumPy
- Matplotlib, Seaborn
- Machine Learning Fundamentals
- Predictive Analytics Fundamentals

Cybersecurity & Networking

- Kali Linux
- Ubuntu Server Administration
- Nmap Network Scanning
- Hydra Password Auditing
- SSH Enumeration & Testing
- VLAN Configuration
- Cisco Packet Tracer
- VMware Workstation
- Network Troubleshooting
- Penetration Testing Fundamentals
- Basic Cybersecurity Awareness & Network Security

Web, Mobile & Software Development

- Flutter & Dart (Mobile Apps)
- React Native
- HTML, CSS, JavaScript
- PHP, MySQL, Bootstrap
- Node.js & Express (Basic)
- Flask (Basic)
- REST API Integration
- XAMPP (Apache, MySQL, PHP)
- Android Studio
- Firebase (Authentication, Firestore, Realtime Database)

Design & Productivity Tools

- Microsoft Word, Excel, PowerPoint
- Google Meet, Zoom
- Canva
- Figma
- CorelDRAW (Basic)

Professional Skills

- Problem Solving
- Communication
- Leadership & Mentoring
- Team Collaboration
- Time Management
- Attention to Detail
- Technical Training & Mentorship
- Analytical Thinking
- Adaptability & Continuous Learning

PROFESSIONAL EXPERIENCE

Administrative & Office Operations Experience

NYSC Corps Member – Finance & Salary Unit

Federal Ministry of Innovation, Science and Technology (FMIST), Abuja, Nigeria

2025 – 2026

- Supported finance and administrative operations during the National Youth Service Corps (NYSC) program.
- Managed incoming and outgoing staff records while ensuring accurate documentation and filing processes.
- Verified payroll records and reviewed staff payslips for accuracy and compliance.
- Generated and processed official salary documentation and reports.
- Maintained confidentiality of financial and personnel information.
- Assisted staff with payroll-related enquiries and administrative support services.
- Contributed to efficient office operations through effective record management and coordination.

Office Assistant

Safety Vision Driving School, Abuja, Nigeria

2017 – 2018

- Managed student registration, records, and administrative documentation processes.
- Updated student data within organizational systems and databases.
- Generated driving certificates through the Federal Road Safety Corps (FRSC) portal.
- Responded to customer enquiries and resolved service-related issues professionally.

Office Supervisor / Administrative Assistant

P & M Laundry / Barbing Salon

2018 – 2019

- Managed daily financial records, transactions, and operational reporting.
- Processed company deposits and maintained accurate financial documentation.
- Supervised day-to-day business operations and customer service activities.
- Addressed customer concerns and ensured smooth operational workflow.

SOFTWARE DEVELOPMENT & TECHNOLOGY EXPERIENCE

Software Developer & Tech Instructor

WebPryme — Remote

2022 – Present

- Designed and developed responsive web and mobile applications using modern development technologies.
- Built cross-platform mobile applications using Flutter and React Native.
- Developed web applications using HTML, CSS, JavaScript, PHP, MySQL, and Bootstrap.
- Conducted online training sessions in Web Development, Data Analysis, and technology fundamentals via Google Meet.
- Mentored learners through practical coding exercises, projects, and technical guidance.
- Designed UI/UX interfaces and prototypes using Figma.
- Created digital graphics, branding assets, and marketing materials using Canva.
- Supported digital marketing campaigns and online brand visibility initiatives for clients.
- Improved application performance through debugging, testing, and code optimization.

Software Director

Nigeria Association of Computing Students (NACOS), Federal University of Kashere

2023 – 2024

- Led software development initiatives and technical activities within the association.
- Mentored students in programming, software development, and technology best practices.
- Coordinated technical training sessions, innovation programs, and student development activities.
- Promoted collaboration and technical growth among computing students.

DATA ANALYSIS & BUSINESS INTELLIGENCE EXPERIENCE

Data Analyst (Contract)

One StepAhead Consulting Company

2025 – Present

- Analyzed operational and business datasets to support strategic and data-driven decision-making.
- Cleaned, transformed, and structured datasets using Excel and SQL.
- Developed Power BI dashboards and reports to monitor business performance and KPIs.
- Delivered analytical reports highlighting business trends, insights, and performance metrics.
- Collaborated with stakeholders to provide actionable recommendations based on data findings.

Volunteer Data Analytics Coach

Idealnovate Africa

2024 – 2025

- Mentored students in Data Analysis using Excel, SQL, Power BI, and Python.
- Guided learners in developing real-world analytics and visualization projects.
- Reviewed dashboards, reports, and project deliverables while providing technical feedback.
- Supported learners in understanding analytical thinking and data storytelling concepts.

TECHNICAL INSTRUCTION & LEADERSHIP EXPERIENCE

Python Programming Instructor

EL Academy, Abuja, Nigeria

2023

- Taught Python programming fundamentals to beginner-level students.
- Guided students through coding exercises, debugging, and practical programming projects.
- Simplified programming concepts, logic, and data structures for effective learning.
- Assisted learners in developing foundational problem-solving and coding skills.

Head of Media & Publicity

National Association of Idoma Students Worldwide

2024 – 2025

- Managed organizational communications, publicity campaigns, and media engagement strategies.
- Coordinated promotional activities and public awareness initiatives.
- Developed digital content and communication materials for organizational programs and events.

CYBERSECURITY & NETWORKING PROJECTS

SSH Brute Force Attack Simulation Using Hydra

2026

- Configured Ubuntu Server and OpenSSH services within a VMware virtual lab environment.
- Conducted SSH brute-force attack simulations using Hydra and Kali Linux for cybersecurity learning purposes.
- Performed reconnaissance and service enumeration using Nmap.
- Demonstrated authentication security risks associated with weak password policies.
- Reviewed authentication logs and documented mitigation strategies against brute-force attacks.
- Strengthened practical understanding of penetration testing and network security concepts.

Website Penetration Testing & Security Assessment

2026

- Conducted reconnaissance and vulnerability assessments on web applications using Kali Linux security tools.
- Performed HTTP/HTTPS analysis, directory enumeration, and SSL/TLS security reviews.
- Utilized tools such as Nmap, Gobuster, WhatWeb, Curl, and browser developer tools during testing activities.
- Identified exposed administrative paths and reviewed web server security configurations.
- Documented assessment findings and provided recommendations for security hardening and risk mitigation.

Cisco Packet Tracer Network Simulation

2026

- Designed and simulated LAN network architectures using Cisco Packet Tracer.
- Configured routers, switches, PCs, and network printers within simulated environments.
- Assigned IP addresses and verified connectivity through ICMP ping testing.
- Practiced routing, switching, subnetting, VLAN configuration, and network troubleshooting concepts.
- Strengthened practical knowledge of enterprise networking and network infrastructure management.

SELECTED TECHNICAL PROJECTS

Predicting Restaurant Ratings Using Machine Learning

Tools: Python, Pandas, NumPy, Scikit-learn, Matplotlib

Publication:

[Medium Article](#)

- Developed and evaluated machine learning models including Ridge Regression, Random Forest, and Gradient Boosting for restaurant rating prediction.
- Performed data preprocessing, feature engineering, and exploratory data analysis to improve model accuracy.
- Evaluated model performance using RMSE, MAE, and R² metrics.
- Published project methodology, findings, and insights on Medium.

Online Vehicle Management System

Tools: HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, XAMPP

GitHub Repository:

[GitHub Repository](#)

- Designed and developed a web-based vehicle management platform for tracking vehicles, maintenance schedules, and bookings.
- Implemented administrative dashboards, user management, and filtering functionalities.
- Built responsive and user-friendly interfaces to enhance usability and accessibility.

Real Estate Management System

Tools: HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, XAMPP

GitHub Repository:

[GitHub Repository](#)

- Developed a web-based property management platform enabling communication between agents and clients.

- Implemented property listing, browsing, enquiry, and discussion functionalities.
- Built an administrative dashboard for managing properties and customer interactions.

Smart Hospital Locator System

Tools: HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, XAMPP

GitHub Repository:

[GitHub Repository](#)

- Developed a location-based healthcare solution for identifying nearby hospitals during emergencies.
- Implemented hospital search, filtering, and facility display functionalities.
- Designed responsive interfaces to improve accessibility and user experience across devices.

VLAN Network Segmentation Project

Tools: Cisco Packet Tracer, VLAN Configuration, Trunking, Networking Fundamentals

GitHub Repository:

[GitHub Repository](#)

- Configured VLANs for departmental network segmentation using Cisco Packet Tracer.
- Implemented trunking protocols to enable inter-VLAN communication.
- Designed a structured and secure network architecture for Customer Service, Accounts, IT, and Server departments.
- Performed connectivity testing and network verification to ensure proper communication between VLANs.

SSH Penetration Testing Lab

Tools: Kali Linux, Ubuntu Server, Hydra, Nmap, VMware Workstation

GitHub Repository:

[GitHub Repository](#)

- Built a controlled penetration testing lab environment using VMware Workstation.
- Conducted SSH enumeration and network scanning using Nmap.
- Performed password auditing and authentication testing using Hydra.

- Configured Ubuntu Server SSH services and validated connectivity between virtual machines.
- Demonstrated practical understanding of penetration testing methodologies and network security fundamentals.

Online Supermarket Management System

Tools: PHP, MySQL, Bootstrap, JavaScript, XAMPP

- Developed a web-based supermarket management platform for inventory and transaction management.
- Implemented product tracking, sales processing, and profit/loss monitoring functionalities.
- Designed an administrative dashboard for reporting and operational management.

Election Outlier Detection & Geospatial Analysis

Tools: Python, SQL, Power BI

GitHub Repository:

[GitHub Repository](#)

- Analyzed election datasets to identify abnormal voting patterns and anomalies.
- Applied statistical outlier detection techniques for electoral data analysis.
- Developed interactive Power BI dashboards visualizing voting trends and party performance across regions.

HNG Ride Data Analysis

Tools: PostgreSQL, SQL

GitHub Repository:

[GitHub Repository](#)

- Analyzed ride-sharing datasets to evaluate customer behavior and revenue performance.
- Identified ride duration trends, customer retention patterns, and payment preferences.
- Generated analytical insights to support operational optimization and strategic decision-making.

Palm Oil Profitability Analysis in Nigeria

Tools: Python, SQL, Power BI

- Developed financial and profitability models for palm oil investment analysis.
- Evaluated ROI, break-even points, and payback periods for plantation investments.
- Built interactive dashboards visualizing investment opportunities and profitability across Nigerian states.

EDUCATION

B.Sc. Computer Science

Federal University of Kashere, Gombe State. Nigeria

CERTIFICATIONS

- Certified Professional Diploma in Data Analysis — Idealnivate Africa (2025)
- Data Analysis with Python — FreeCodeCamp (2025)
- Level 5 Data Science (NSQ) — CPN (2025)
- Web Development — Federal Government Empowerment Program (2025)
- Agile Project Management — HP (2024)
- Programming in Python — Meta (2023)
- Machine Learning with Python — FreeCodeCamp (2023)
- Python Programming — EL Academy (2023)
- Front-End Development — Coursera (2023)
- Back-End Development — Coursera (2023)
- Desktop Publishing — Communication Network Ltd (2019)
- Digital Marketing — Life Servers Ambassadors International (2019)

ADDITIONAL INFORMATION

- Open to Software Development, Data Analysis, IT Support, Administrative, and Remote roles.
- Available for Remote, Hybrid, and on-site opportunities.
- Strong interest in analytics, technology innovation, and problem solving.