Abubakar Sadiq Shittu

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Education

M.Sc. Advanced Computer Science, Newcastle University, United Kingdom. 2023 - present
- Modules: Systems Security, Secure Software Development, Security Analysis of Complex Systems, Risk and Trust Management and Machine Learning.

B.Sc. Computer Science, Fountain University Osogbo, Nigeria. 2018 - 2021
- Grade: First Class Honours.
- GPA: 4.63/5.00.

National Diploma in Computer Science, Federal Polytechnic Bida, Nigeria. 2015 – 2017
- GPA: 3.41/4.00

Research Experience

Undergraduate Project, Fountain University Osogbo June 2020 – Nov 2020
Real-time Face Detection and Recognition
Supervisor: Mohammed Lawal
- Conducted a review on face detection and recognition systems, examining strengths, weaknesses, and applications area.
- Presented the progress and outcomes of the project to audiences ranging from 10 to 40 individuals, including lecturers and peers.

Teaching Experience

Careers Tutor (Remote), 10Academy, USA Aug. 2022 – Jan. 2023
Supervisor: Arun Sharma
- Designed and led weekly 3-hours per week career development lectures for 30 web3, data science, and machine learning trainees, demonstrating skills in curriculum planning, content delivery, and audience engagement.
- Graded and provided detailed feedback on career exercises to over 35 trainees, enhancing preparation for job search phase post-training completion.
- Delivered holistic job search support to alumni, encompassing tailored reviews of resumes and cover letters, and personalized interview coaching, which enhanced their candidacy.

Awards and Honours

Accepted Awards

- **2023 Chevening Scholarship**
  - Funding for master's degree at Newcastle University.
  - Award body: The UK Foreign, Commonwealth and Development Office.
  - Value: Approximately £50,000.
  - Competitiveness: Top 1.9% of about 71912 Applicant.
- **2019 Most Outstanding Student Award**,
  College of Natural and Applied Science, Fountain University Osogbo.

Declined Scholarships
- **Commonwealth Shared Scholarship**: Won and declined a full funding for a Master of Science in Financial Technology at the University of Stirling in 2023.
- **100% Scholarship (valued at $12,000)** for a Master of Science in Computer Engineering at Kadir Has University in Istanbul, Turkey, in 2022.
- **AIT Partial Scholarship (Approximately $14,000)**, towards a master's in data science & artificial intelligence at the Asian Institute of Technology, Thailand, in 2022.

Publication

Shittu, A. S., and Abdulsalami, B. (2023). Software Defect Prediction Using Machine Learning Approach: A Contemporary Review. TechRxiv. Preprint. https://doi.org/10.36227/techrxiv.23648907.v1 [certificate].

Relevant Coursework and Unpublished Works

Security of IoT Farm and Critical Analysis of Paypal's Password Policy.   Oct. 2023
Course: Systems Security,
- Analysed PayPal's password policy, detailing key pros and cons in a concise 500-word document.
- Identified possible adversaries to the devices and network of an IoT farm, developed corresponding security policies, and proposed a design for an anomaly detection system, evaluating advantages and drawbacks, all detailed in a 1350-word report.

Work Experience

Student Ambassador, Newcastle University.   Oct. 2023
- Involved in university events and marketing initiatives, including leading Open Days, guiding campus tours, and participating in focus groups aimed at enhancing the student experience.

Administrative Assistant   Oct 2021 - Oct 2022
Directorate of Admissions, Examination and Records, Kaduna State University.
- Inspected undergraduate examination procedures, ensuring adherence to academic standards, and upholding the integrity of the assessment environment.
- Coordinated student complaints and appeals for admissions and exams,
- Catalogued important documents and guided new students through the registration process.

Information Technology Helpdesk Intern.
Nigerian National Petroleum Cooperation. Abuja, Nigeria.   March 2019 – Aug. 2019
- Served as the primary technical support contact for a network of over 100 computer users, resolving an average of 5 queries per day.
- Explained technical details in understandable terms for all of support interactions.
- Achieved a good satisfaction rate through diligent follow-ups, ensuring resolution of user issues.

Professional Affiliations

Member, Black in AI   2022-2023
Member, Society for Multidisciplinary and Advanced Research Techniques in Africa   2019-2020

Leadership and Services

Member, Student Legislative Arm, Federal Polytechnic Bida   2016 – 2017
Senior Prefect, Federal Government College Kaduna   2014 – 2015