

BABATUNDE OLUWABUSAYO BELLO

Computer Science Researcher | Artificial Intelligence, Machine Learning & Cybersecurity | MBCS

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ACADEMIC PROFILE

First-Class Computer Science graduate and early-career researcher with published work in image-search algorithms and numerical computing, research-assistant experience at Anglia Ruskin University, and applied projects spanning reinforcement learning, natural language processing, cybersecurity research methodology and research-operations software. Seeking direct-entry PhD research in artificial intelligence, machine learning, cybersecurity and intrusion detection, adaptive intelligent systems and applied computing.

RESEARCH INTERESTS

Artificial Intelligence • Machine Learning • Cybersecurity & Intrusion Detection • Reinforcement Learning • Natural Language Processing • Adaptive / Trustworthy Systems • Applied Computing

EDUCATION

2023 – 2026

BSc (Hons) Computer Science — First Class Honours

Anglia Ruskin University, Cambridge, UK • Overall mark 81.42% • British Computer Society Graduate Membership Prize (2026)

- Final-year project: Decentralized Food Surplus Redistribution Platform using Blockchain and Reinforcement Learning (Rescuify).
- Relevant study: Artificial Intelligence, Algorithm Analysis & Data Structures, Computing Research Methodologies, Digital Security, Cloud Computing, Distributed Programming, Software Engineering, Database Design.

2016 – 2018

National Diploma, Computer Engineering — Upper Credit

Federal Polytechnic, Ile-Oluji, Nigeria

- Relevant study: Calculus, Computer Programming, Digital Systems, Computer Architecture, Operating Systems.
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RESEARCH EXPERIENCE

Aug 2025 –

Research Assistant (part-time)

Present

Anglia Ruskin University, Cambridge

- Supported Smart Food Cities research through survey-material preparation, business-contact sourcing, questionnaire distribution and analysis of survey responses.
- Developed the Cambridge Field Tracker, an offline-capable research-operations PWA coordinating field outreach across a 597-business dataset with search, status tracking, route support and progress visibility.

May – Jun 2025

Research Assistant — Summer Research Experience

Anglia Ruskin University, Cambridge

- Conducted literature reviews on food systems in smart cities and analysed food-system data to identify key challenges and assess Cambridge's smart-city context.
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SELECTED RESEARCH & TECHNICAL PROJECTS

2026

Rescuify — Decentralized Food Surplus Redistribution using Blockchain and Reinforcement Learning

Final-year research project • React | FastAPI | PPO reinforcement learning | Simulated IoT | SHA-256 | OSMnx

- Designed a multi-stakeholder research prototype for donors, drivers, recipients and administrators, combining adaptive routing, simulated cold-chain sensing and cryptographic auditability.
- Experimental simulation rescued 27/30 thermal breaches and achieved 98.0% simulated waste diversion against an 80.0% static-routing baseline; 150 simulated transactions were hashed using SHA-256.
- All reported outcomes are simulation-based and are not presented as production or real-world operational impact.

2025

AI-Powered Intrusion Detection System for Next-Generation Cybersecurity Threats

Computing Research Methodologies — research proposal

- Developed a research proposal and literature-review direction exploring how AI and machine learning could support adaptive intrusion detection and detection of evolving cybersecurity threats.
- Defined a proposed methodology, evaluation considerations and future research direction, without claiming completed empirical deployment.

2024 – 2025	TrackGenesis Sentiment Analysis <i>Industry-linked academic live brief • Java NLP Requirements Wireframing Prototyping</i> Contributed to requirements, user-flow design and prototype development for single and batch sentiment analysis, history and personalisation.
2024 – 2025	Together Culture CRM & Database Design <i>Industry-linked academic live briefs • C# SQL Server Requirements User stories ERD / 3NF Agile</i> - Contributed to CRM requirements, user stories, event-booking and engagement features, alongside database modelling, normalisation and SQL implementation. - Achieved A grades across the related live-brief work.
PUBLICATIONS	
2021	Iwayemi, A., Olokun, M. S. & Bello, B. O. — An Integrated Numerical Computation System in Engineering. <i>Innovative and Adaptive Research in Applied Science and Engineering for Technological Applications (IARASETA)</i>
2019	Bello, B. O. & Iwayemi, A. — An Image Searching Framework Using Hybrid Algorithm. <i>International Journal of Computer Applications, 178(21), 4–9 • DOI: 10.5120/ijca2019918976</i>
RESEARCH & INDUSTRY EXPOSURE	
2025	Product Software Development — four-day industry exposure <i>Wellcome Sanger Institute, Cambridge</i> Exposure to Agile delivery, sprint planning, collaborative engineering, testing, deployment considerations and the software and product lifecycle within a leading genomics research environment.
LEADERSHIP & RECOGNITION	
2023 – 2024	Science & Engineering Faculty Representative — Anglia Ruskin University Elected faculty representative; recognised as Highly Commended Representative of the Year.
2026	British Computer Society Graduate Membership Prize — Anglia Ruskin University
2025	Second Prize — ESBF round of #ThinkBigARU Pitch Competition, Anglia Ruskin University
2025	Best Presentation — #ThinkBigARU Pitch Competition, Anglia Ruskin University
2019	Overall Best Graduating Student in Character — Federal Polytechnic, Ile-Oluji
PROFESSIONAL MEMBERSHIP	
Current	Member (MBCS) — BCS, The Chartered Institute for IT
CERTIFICATIONS	
24 Aug 2026	Qlik Sense Qualification Exam – Business Analyst 2025 — Qlik <i>Qlik Sense Business Analyst Qualification • Completed 24 August 2026 • Score 80 • Completion ID 424230570</i> Business and data analysis in Qlik Sense: data modelling, visualisation and dashboard design supporting data-driven analysis and reporting.
RESEARCH & TECHNICAL SKILLS	
Research: Literature review, research methodology, survey support, data analysis, experimental design, academic writing, LaTeX / Overleaf.	
Programming & systems: Python, Java, C, JavaScript, SQL, FastAPI, React, Linux, Git.	
AI & computing: Machine learning, reinforcement learning, natural language processing, algorithms & data structures, cybersecurity, distributed and cloud computing.	
Data & analytics: Qlik Sense (Business Analyst qualification, 2026), SQL analysis, dashboards and data-driven decision support.	
ADDITIONAL ACADEMIC ENGAGEMENT	
2021	Conference Participant — SEET Annual Conference, Federal University of Technology Akure, Nigeria