

Dr Festus Adedoyin, Senior Lecturer in Computer Science
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ACADEMIC QUALIFICATIONS

2023	Media Short Courses CPD Framework (CPDMCP), Bournemouth University, UK <ul style="list-style-type: none"> • (Enhancing Practice and Developing the Self: The BU Certificate in Programme Leadership)
2021	PhD in Economics <ul style="list-style-type: none"> • (Focus Area: Microdata Modelling and Behaviour, Bournemouth University, UK)
2018	Certificate in Non-Linear Panel Data Modelling (Barcelona Graduate School of Economics, Spain)
2017	MSc in Development Policy (KDI School of Public Policy and Management, South Korea)
2016	MSc in Economics (University of Ibadan, Nigeria)
2012	BSc in Economics (Ahmadu Bello University, Nigeria)

EMPLOYMENT HISTORY

2017 - current	Bournemouth University, UK <ul style="list-style-type: none"> • Pathway Leader (2023 – present) • PG Project Coordinator (2021 – 2023) • Senior Lecturer in Computer Science (2021 – present) • Tutor in Data, Econometrics and Business Statistics, BUBS (Oct 2017 – Jan 2021)
2012 – 2015	Benchmark Academy, Nigeria <ul style="list-style-type: none"> • A Level Tutor in Business, Statistics and Economics

ACADEMIC AND SCHOLARLY EXPERIENCE

Academic Leadership	<ul style="list-style-type: none"> • Programme Leader: <ul style="list-style-type: none"> • BSc Business Computing with Analytics • BSc Data Science and Artificial Intelligence • BSc Data Science and Analytics • BSc Computer Networks • Project Coordinator for all postgraduate Computing and Informatics Programmes (2021 – 2023)
Quality Assurance and Enhancement	<ul style="list-style-type: none"> • Quality Assurance for: <ul style="list-style-type: none"> • Big Data Engineering and Analytics • Business for IT • Computing and Society • Member of the BU Quality Assurance Education Group, contributing to the continuous enhancement of computing programmes.

Curriculum Development & Enhancement	<ul style="list-style-type: none"> • UG Data Analytics Pathway Leader, British Computer Society BU Computing Courses Accreditation, 2024 • Brand new units involved in for development and delivery: <ul style="list-style-type: none"> • Technological Innovations in Business Analytics • Digital Innovation and Transformation • Digital Transformation in Global FinTech • Member of the Quality Assurance Education Group, contributing to academic issues in the curriculum development across the university such as providing feedback and suggestions from Academic Offences panel etc.
Teaching	<ul style="list-style-type: none"> • Unit leader for: <ul style="list-style-type: none"> • Technological Innovations in Business Analytics • Digital Innovation and Transformation • Digital Transformation in Global FinTech • Integrated Digital Healthcare Projects • Individual Masters Project • Economics of Information Security • Teaching Team Member for: <ul style="list-style-type: none"> • Smart Systems • Data Management • Software Engineering • Research Methods and Professional Issues • Personal Tutor and Academic Advisor
External Experience	<ul style="list-style-type: none"> • External Reviewer and Programme Approver for the MSc FinTech programme at the University of Suffolk, UK (2025), contributing expert opinion on computing programme quality and relevance. • Academic external panellist, University of Bedfordshire, UK (2022) Course Approval for BSc (Hons) Business Analytics and Artificial Intelligence, Dip HE Business Analytics and Artificial Intelligence, BSc (Hons) Finance and Technology and Dip HE Finance and Technology

RESEARCH OUTPUTS

Selected Publications (including journal articles, books & chapters, conference proceedings up to 5)

- Adedoyin, F. (ed.) (2025) Digital competence in agile and hierarchical organizations: Operational performance under global uncertainties. London: Routledge. Link: [Routledge](#)
- Adedoyin, F. (ed.) (2025) *Simulation and machine learning models for energy policy design*. Burlington, MA: Elsevier – Health Sciences Division. [Elsevier](#)
- Oztas, B., Cetinkaya, D., Adedoyin, F., Budka, M., Dogan, H. and Aksu, G., 2025. Tab-AML: A Transformer Based Transaction Monitoring Model for Anti-Money Laundering. Proceedings 2025 IEEE Conference on Artificial Intelligence Cai 2025, 161-167.
- Oztas, B., Cetinkaya, D., Adedoyin, F., Budka, M., Aksu, G. and Dogan, H., 2024. Transaction monitoring in anti-money laundering: A qualitative analysis and points of view from industry. Future Generation Computer Systems, 159, 161-171.

- Oztas, B., Cetinkaya, D., Adedoyin, F., Budka, M., Dogan, H. and Aksu, G., 2023. Enhancing Anti-Money Laundering: Development of a Synthetic Transaction Monitoring Dataset. Proceedings 2023 IEEE International Conference on E Business Engineering Icebe 2023, 47-54.
- Adedoyin, F., Dogan, H., Cetinkaya, D. & Jiang, N. (2025) 'Human-centered AI in FinTech: A conceptual model and strategic research agenda', in 2025 IEEE Conference on Artificial Intelligence (CAI). Piscataway, NJ: IEEE, pp. 180–187.
- Adedoyin, F. F., Mavengere, N., & Mutanga, A. (2022). A simulation experiment on ICT and patent intensity in South Africa: An application of the novel dynamic ARDL machine learning model. Technological Forecasting and Social Change, 185, 122044.
<https://doi.org/https://doi.org/10.1016/j.techfore.2022.122044>
- Adedoyin, F., 2021. An artificial recurrent neural network experiment on the future of digital innovation and sustainable economic development in the OECD. In: 2021 IEEE International Conference on Technology and Entrepreneurship (ICTE) 24-27 August 2021 IEEE TEMS and Kaunas University of Technology.

Selected Grants

- UKVI Knowledge Transfer Partnership £250,000 (Awarded). Bournemouth University and Nourish Care Limited. 2025
- PhD Studentship with Clearwater Dynamics (2025 Awarded). AI-driven predictive analytics for enhanced vessel performance and operational efficiency.
<https://www.bournemouth.ac.uk/study/courses/phd-studentship-ai-driven-predictive-analytics-enhanced-vessel-performance-operational-efficiency-0>
- PhD Studentship with Hampshire and Isle of Wight Constabulary (2023 Awarded). Development of Digital Health Interventions for Managing the Health and Well-being of Blue Light Forces in the UK. <https://hci.bournemouth.ac.uk/project/hantspolhealth/>
- Short Consultancy - Hampshire and Isle of Wight Constabulary. HantsPol: Police health and Wellbeing Project, **Co-I**, 2022 – Completed
- Bournemouth University Research Impact Fund, **Co-I**, 2022 – Completed
- ESRC Festival of Social Science 2021, Public Engagement Fund, **PI**, 2021 – Completed

PhD supervisions

Current Supervision: 5

Completions: 1

Examinations: PhD Viva Voce = 3; PhD Major Review = 4

PROFESSIONAL PRACTICES, OUTREACH, MEMBERSHIPS, FELLOWSHIPS

1	Fellow of UK's Higher Education Academy
2	IEEE Member
3	British Computing Society Member
4	Chartered Management and Business Educator ABS Member
5	Sigma Network International – Maths Support Network Member