Oluwaseun Ajao

seunclick01@gmail.com   +44(0)743 695 0540

linkedin.com/in/seunajao   seunajao.github.io

Summary

Passionate ML engineer with deep analytical expertise in machine learning, publication outcomes of data analytics and artificial intelligence. Transforming complex data into actionable insights for informed decision- making. Committed to innovative and impactful problem-solving using Generative AI and Large Language Models. Passionate about developing CI/CD pipelines that drive business and social impact.

Experience

Senior Machine Learning Engineer

Contract Analytics

Nov 2021 - Present (2 years 2 months)

- Managed £800k budget and team of 5 as Program Manager for AI / MLOPs cloud data platform migration at 103-year-old insurance company. Completed 3 months ahead of schedule.
- Mentored 3 junior engineers on Machine Learning best practices; secured ML engineer roles at top tech companies within 2 years
- Led migration of legacy search & recommendations platform (£20M revenue) to Kubernetes stack, improving throughput 32%
- Developed go-to-market strategy for 3 startup companies, enabling them to surpass revenue goals by 25-45%
- Led optimization of AI driven order fulfillment process at eCommerce company, reducing costs by 15% and improving cycle time by 30%
- Consistently promoted into positions of increasing responsibility and leadership within dynamic, fast-paced companies

Senior Academic - AI / ML

The Manchester Metropolitan University

Mar 2023 - Present (10 months)

• Building an extensive publishing record of research in high quality peer reviewed journals or monographs, or publish/exhibit professional practice.
• Postgraduate Supervision of MSc, MPhil, PhD Computing and Mathematics students
• Modules taught on BSc Data Science / MSc Data Science & MSc Artificial Intelligence
- Data Governance & Management
- High Performance Computing and Big Data (Spark2, Python, PySpark, Hadoop)
- Computational Maths and Statistics (R programming language)

Senior Academic - Big Data

Sheffield Hallam University

Oct 2018 - Feb 2023 (4 years 5 months)

• Responsible for developing and improving modules / courses according to the needs of the University and students e.g. ensuring appropriate links with industry or professional bodies,

• Taking lead role in designing content, assessment and moderating marking, introducing creative approaches to teaching and assessment
• Leading and advising colleagues on the development of specialist data analytics aspects of new teaching programmes and consultancy projects.

Machine Learning Engineer
Sheffield Hallam University
Oct 2019 - Nov 2021 (2 years 2 months)
- Developing novel deep learning techniques for profiling promoters of fake news messages adopting hybrid semantic interpretation of text and images in posts using CNN and RNN neural network models.
- Conceptualizing state-of-the-art discriminative Quadtree spatial partition indexing in Logistic Regression and Multinomial Naïve Bayes machine learning framework for profiling and inferring the location of previously undisclosed social media users.
- Automatic auto-captioning and embedded text extraction from images in online posts for enrichment of feature set in malicious content classification and Fake News identification
- Developed NLP deep learning pipelines extracting insights from 350 million tweets graph database
- Published 3 conference papers on techniques for custom AI hybrid models with limited labeled training data
- Maintained and improved the performance of machine learning models in production. Conducted research and development in machine learning techniques for cybersecurity/ deepfakes applications.

Data Scientist
Queen's University Belfast
Apr 2015 - Apr 2016 (1 year 1 month)
• Providing analytics and actionable insights to a team of multi-disciplinary researchers in Psychology, Medicine and Public Health on a social media skin cancer campaign.
• Use of data mining (SQL) and visualisation tools such as R, Tableau to clearly communicate patterns identified in big datasets to non-technical team members
• Producing insights and visualisations into unstructured datasets using database management tools such as SQL, MongoDB and Tableau.
• Extraction, Transformation and Loading (ETL) of tweets gathered using Public Twitter APIs from pre-defined search parameters, keywords and geographic boundaries
• Designed and developed databases for efficient storage and indexed retrieval of 38 million user interactions in structured and unstructured databases and Hadoop Framework.

Senior Business Analyst
Lloyds Banking Group
Aug 2013 - Apr 2015 (1 year 9 months)
• Complied with FCA fraud anti-money laundering (AML) regulations and raised flags on suspicious transactions while avoiding sanctioned individuals and countries.
• Expediently carried out range of telephony banking services including account opening, lending applications and switching to Halifax Bank of Scotland (HBOS) in line with LBG processes and industry best practices.
• Followed up on lending sales lead as appropriate including delivery of credit cards, overdrafts and personal loans

• Constantly delivered the best customer service experience to meet the needs of the customers and adding value at every point of contact.

Senior Infrastructure Project Manager

Nov 2009 - Sep 2012 (2 years 11 months)

- Coordination of a team of installers and IT support providers for delivery of web conferencing and unified communications solutions to key corporate clients in financial services and government.
- Performed product demonstrations and sales installations of video conferencing equipment to clients at multi-sites.
- Deployment of enterprise Voice over Internet Protocol (VoIP) solutions including hardware such as desk phones, conference phones and softphone integration.

Business Analyst

Guaranty Trust

Feb 2007 - Oct 2009 (2 years 9 months)

• Created suspicious activity reports, reconciled bank ledgers for correctness, accuracy and validity of entries passed to ensure compliance with standard operating procedures.
• Investigated complaints on customer accounts including suspicious transactions
• Conducting spot checks on tellers tills and call over of daily transactions for completeness, accuracy and validity.
• Supervision and oversight of 12 bank tellers and ATM handling; ensuring compliance with anti-money laundering (AML) policies

Education

Sheffield Hallam University

Doctor of Philosophy (Ph.D.), Computer Science - Data Mining

2017 - 2019

Queen's University Belfast

Doctor of Philosophy - PhD, Computer Science - Data Mining

2014 - 2017

Ulster University

Master of Science (M.Sc.), Computing with web technologies

2012 - 2013

University of Ilorin

Bachelor's degree, Statistics

2002 - 2005

Skills

Generative AI • Artificial Intelligence (AI) • Natural Language Processing (NLP) • Data Analysis • Software Development • Continuous Integration and Continuous Delivery (CI/CD) • MLOps • Kubernetes • Machine Learning • SAS (Software)