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Ahmed Baruwa

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EDUCATION

University of Oregon **Oregon, USA** **September 2021 – August 2023**

- M.S in Computer and Information Science
- Coursework: High Performance Computing, Introduction to Artificial Intelligence, Machine Learning, Algorithm Design Patterns.
- Thesis: Machine Learning methods for evaluating performance in Athletes

Obafemi Awolowo University **Osun State, Nigeria** **September 2013 – April 2018**

- B.Sc. in Electrical Engineering
- Undergraduate Coursework: Programming Languages, Operating Systems, Algorithms, Intelligent Control, Linear Algebra, Probability and Stochastic Processes.

WORK EXPERIENCE

Research Assistant **University of Oregon** **September 2021 – June 2022**

- Implemented machine learning models for 3D point estimation for human body anthropometry.
- Equipped the models with the ability to landmark new points using transfer learning.

Research Engineer Intern **InstaDeep AI** **July 2020 – October 2020**

- Analyzed and compared three model compression methods on chatbots.
- Re-implemented the state-of-the-art chatbot paper ”DialoGPT: Large-Scale Generative Pre-training for Conversational Response Generation”

Research Intern **Data Duality Labs** **January 2020 – March 2020**

- Scraped and digitized 4K parliamentary bills for three African countries for flexible law enactment information dissemination on the web
- Sorting and Annotating these bills into 8 categories for automated classification.
- Wrote an end-to-end OCR in PyTorch for complete digitization of the bills as some of the scanned bills could not be read by off-the-shelf softwares like Tesseract.

Data Scientist **KPMG** **April 2019 – Present**

- Wrote an end-to-end ”speech2text” software for a speech sentiment classification system.
- Built ETL tools for analyzing financial data collected on spreadsheets.
- Optimized ”auto-Reconcillate” - a piece of software that automates the reconciliation process of audited products.

PUBLICATIONS (https://bit.ly/34SfJK1)

- Quality at a Glance: An Audit of Web-Crawled Multilingual Datasets, *EACL 2021*

CONFERENCES ATTENDED

- International Conference in Machine Learning (ICML) **July 2020**
- European Chapter Association of Computational Linguistics (EACL) **Feb. 2021**

ADDITIONAL EXPERIENCE AND AWARDS

- **Research Assistantship:** (2021-2022) Sports Product Design; Data Science Institute at the University of Oregon
- **First Place:** (2018) Kaggle Cross Country Data Science Nigeria Inter Campus Machine learning Competition (https://bit.ly/3JsbQgx)
- **PTDF Scholarship:** (2016-2018) Full college tuition and an annual stipend of $1200 for being among the top 3% students of the faculty of Technology

SOFTWARE SKILLS, TECHNOLOGIES

- **Programming Languages:** Python; C; MATLAB; FLASK
- **APIs, libraries, Software Frameworks:** NumPy / SciPy; Pandas; PyTorch; TensorFlow; Trax; Linux; Cloud platforms(GCP & Azure), Visual Studio; Power BI