

# Abdulhammed O. Baruwa

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<b>EDUCATION</b>	<b>Obafemi Awolowo University</b> B.S in Electrical Engineering Course Work includes Programming languages, Operating Systems, Intelligent Control, Microelectronics, Digital System, Modern Control Engineering, Advanced Probability Theory, Linear Algebra, Calculus I, II, III.	2013 – 2018
	<b>Obafemi Awolowo International School</b> WAEC grades: A's in all technical courses	2007 – 2013
<b>WORK EXPERIENCE</b>	<b>Research Engineering Intern</b> <b>InstaDeep</b> , London, United Kingdom <ul style="list-style-type: none"><li>Evaluating model compression methods on Neural Conversational Models</li></ul>	July 2020 – October 2020
	<b>Research Intern</b> <b>Data Duality Labs</b> , Yaba, Lagos, Nigeria <ul style="list-style-type: none"><li>Scraped and digitized 4K parliamentary bills for three African countries for flexible law enactment information dissemination in Africa.</li><li>Wrote an end-to-end OCR in PyTorch for complete digitization of bills as some of the scanned bills could not be read by off-the-shelf softwares.</li></ul>	January 2020 – April 2020
	<b>Data Scientist</b> <b>KPMG</b> , Victoria Island, Lagos, Nigeria <ul style="list-style-type: none"><li>Led a team of engineers in the development of a resume ranker ("rankThem") software which sorts a list of resumes according to the match strengths to a predefined skill set requirements.</li><li>Built a Neural Machine Translation (NMT) software for the Yoruba language for seamless user-personnel interaction involving non-native speakers.</li><li>Wrote an end-to-end "speech2text" API for a speech sentiment classification system.</li></ul>	April 2019 – January 2020
	<b>Networking Engineer Intern</b> <b>INTECU</b> , Computer Science Building, Obafemi Awolowo University <ul style="list-style-type: none"><li>Designed an Optic Fibre Network Operation and Monitoring system using the A* search algorithm.</li><li>Reduced the rate of intermittent loss of WiFi connection by 15%</li><li>LAN troubleshooting.</li></ul>	August 2017 – March 2018
<b>TEACHING EXPERIENCE</b>	<b>Laboratory Assistant</b> Fundamentals of Electrical Engineering Laboratory I (EEE 291)	June 2018 – Nov 2018
	<b>Laboratory Instructor</b> Assisted in conducting Lab sessions and also in Course Grading Fundamentals of Electrical Engineering Laboratory II (EEE 292)	Feb 2019 – July 2019
<b>LEADERSHIP ACTIVITIES</b>	<b>Co-founder</b> , Data Science Nigeria, Ife Chapter. Organized Hackathons and Tutorials for Aspiring Student Programmers	

<b>AWARDS AND HONORS</b>	Petroleum Tertiary Development Fund (PTDF) Scholarship Covered full tuition and monthly stipends Selected for being among top 3% of entire Faculty of Engineering	2015 – 2018
	<i>First Place:</i> Kaggle Cross Country Data Science Nigeria Inter Campus Machine learning Competition ( <a href="https://www.kaggle.com/c/dsn2018intercampus/leaderboard">https://www.kaggle.com/c/dsn2018intercampus/leaderboard</a> )	October 2018
<b>INVITED TALKS</b>	Demystifying Reinforcement Learning and Understanding its Applications Ladoke Akintola University of Technology (LAUTECH)	August 2020
	Hyperparameter Optimization in Machine learning Modeling Obafemi Awolowo University (OAU)	December 2018
<b>PEER REVIEWED PUBLICATIONS</b>	Leveraging end-to-end Speech Recognition with Neural Architecture Search <b>A. Baruwa</b> , M. Abisiga, I. Gbadegesin, A. Fakunle Link: <a href="https://arxiv.org/abs/1912.05946">https://arxiv.org/abs/1912.05946</a>	November 2019
	( <i>In Submission</i> ) Model Compression techniques on Neural Conversational Agents <b>A. Baruwa</b> , K. Ogueji , O. Ahia	November 2020
<b>SOFTWARE SKILLS</b>	<b>Coding:</b> Bash, C, C++, MATLAB, Python (NumPy, SciPy, Pandas), SQL <b>Machine Learning:</b> Tensorflow, PyTorch, scikit-learn <b>Visualization:</b> Matplotlib, Seaborn <b>Big Data Technologies:</b> AWS, Azure, GCP. <b>Version Control:</b> Git, SVN	