

Blessing Itoro BASSEY

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EDUCATION

- **African Masters in Machine Intelligence (AMMI)** / Masters in Machine Intelligence
October 2019 - Present, GHANA
- **African Institute for Mathematical Sciences (AIMS)** / Masters in Mathematical Sciences
October 2018 - July 2019, CAMEROON
- **University of Ilorin** / B.Sc Mathematics
September 2012 - July 2016, NIGERIA

PROJECTS

- **Statistical Methods for Predicting Prison Populations**, using the prison data as case study, I explored some statistical modelling techniques like regression, time series analysis as well as the stock flow model, to identify the need for future prison places, skills learned can be transferred to other tasks or datasets.
- **EDA and Topic Modelling on Tweet Data**: An exploratory data analysis of tweets scraped online from Jan - Jun 2020. A technique called Topic Modelling was used to categorise tweets based on topics.
- **Cassava Disease Classification**: The project involved classifying pictures of cassava leaves into 1 of 4 disease categories, this was an in house kaggle competition done as a team and my group [TAB-Next](#) came first .
- **Object Detection, Segmentation and Human Pose Estimation**: This was a computer vision project involving reproducing the [Mask RCNN paper](#). The techniques used were instance segmentation and object detection, and the implementations were done using [Detecron2](#). Details of all projects above and more can be found [here](#).

WORK EXPERIENCE

- **Proto AICX / NLP Engineer (Remote)** **February 2020 - Present**
 - ★ Helping in translating data from English language to Yoruba, needed for multilingual chatbot.
 - ★ Writing scientific articles for publication on the company's website
- **Fiverr.com / Data Analyst** **April 2019 - Present**
 - ★ Undertaking research needs such as questionnaire development, scale or survey development and validation, data collection, qualitative and quantitative data analysis
 - ★ Statistical analysis of both primary and secondary data with detailed interpretations of findings in a research report format.
 - ★ Using statistical methods e.g EDA to analyze client data and generate useful business reports to help get actionable insights that would in turn improve business processes and decision making.
 - ★ Using appropriate tools and techniques in creating PowerPoints, reports, dashboards and models and presenting them successfully to management for better understanding.
- **Neuromatch Academy / Teaching Assistance** **July 6th - July 31st 2020**
 - ★ Responsible for training and coordinating a group of students at Neuromatch Academy 2020, an online summer school hosting over 7000 students from across the globe.

- ★ Taught a 2-day pre-course python programming workshop, with the method of peer programming (assigning students into break out rooms) for effective brainstorming and to enhance team work.
 - ★ Facilitates hands-on tutorials for students on computational neuroscience topics such as Machine learning, Bayesian statistics, Dimensionality Reduction Deep learning e.t.c
 - ★ Coordinates and provides guidance for group projects during the 3-week long summer school.
- **Lagos State Bureau of Statistics / Statistician (Intern)** **June 2015 - December 2015**
 - ★ Data collection, qualitative and quantitative data analysis with Excel, R and SPSS package
 - ★ Questionnaire designs. gathered numerical data and then visualized it, thereby helping companies to make sense of quantitative data and to spot trends to aids decision making.

SKILLS

- ★ **Programming & Frameworks:** Python, R, PyTorch, SPSS
- ★ **Packages:** Scikit-Learn, NumPy, SciPy, Pandas, NLTK, BeautifulSoup, Matplotlib, Statsmodels. E.t.c
- ★ **Key skills:** Data Visualization • Predictive Analysis • Statistical Modeling • Training & Mentoring • Data Analytics • Data Mining • Quantitative Analysis • ML Algorithms • Deep learning • NLP.

PUBLICATIONS / CURRENT RESEARCH

- Participatory Research for Low-resourced Machine Translation (A Case Study in African Languages): [Here](#).
- Currently at [AMMI](#) : I am working on Dialogue Models, supervised by [Antoine Bordes](#), a researcher at FAIR.

CERTIFICATIONS

- Introduction to SQL and Machine learning for Business by DataCamp
- Virtual Internship at KPMG
- Python for ML Internship from Hamoye virtual internship
- Python for Data Science by WorldQuant University
- Machine Learning, Deep Learning and Mathematics for Machine Learning by Coursera

REFEREES

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