

JB **JOHN BAGILIKO**

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WORK EXPERIENCE

March 2019 – present

Data Scientist and Web Developer

Web Development and Data Science | *Volkeno, Dakar, Senegal*

- Research on the markets of Ghana, Nigeria and Uganda.
- Working with team on the design and implementation of a web application that uses Machine Learning Techniques to efficiently aid our market research.
- Integrate Machine Learning, Deep Learning and AI algorithms in Django web API's.

May 2018 – November 2018

Data Science and Web Development Intern

Data Science and Web Development | *Volkeno, Dakar, Senegal*

- Developed a web application that uses Machine Learning in collecting and visualizing data of the market of Senegal.
- Built a Document Classification web application with Python and Django using Machine Learning, Deep Learning and AI techniques.
- Built the API for a directions web and mobile application using Python and Django.
- Built a Multi-vendor platform using WordPress and PHP.
- Built an online learning platform using WordPress and PHP.

EDUCATION

November 2018 – Present

Microsoft Professional Program in Data Science

MicroSoft

February 2019

Master of Science in Mathematical Sciences (Big Data and Computer Security)

African Institute for Mathematical Sciences, Senegal

June 2017

Bachelor of Science in Mathematical Sciences (Mathematics)

University for Development Studies, Navrongo, Ghana

PROJECTS

August 2019

Built a machine learning model to predict amount of time for order delivery

Zindi-Sendi Data Science Hackerton | *Team DataGeeks*

- Responsible for the data preprocessing
- Built a regression model that predicts the amount of time a bike-man will spent to deliver an order.

April 2019– August 2019

Built a machine learning model to predict churn of an EdTech chat bot users

DataHack Innovation Award | *Team Fineazy*

- Responsible for the data preprocessing
- Built a classification model that predicts which user will churn or otherwise.

June 2018– February 2019

Built a Long Short-Term Memory Neural Network Model that Tackles Commonsense Reasoning in Artificial Intelligence

Master Thesis | *African Institute for Mathematical Sciences, AIMS - Senegal*

- Involved the application of Language Models.
- Long Short-Term Memory (LSTM) Neural Network was built taking only words as inputs.
- Model differentiates correct sentences from wrong sentences.
- The model was tested on the Winograd Schema.

ACCOLADES

August 2019	ZINDI CHALLENGE First Runner-Up A proud key member of a team of 3 who came out second in the Zindi-Sendi Data Science Hackerton in Rwanda out of over 100 participants.
July 2019	Google Grant Received a Google grant worth 750 USD to attend the Deep Learning Indaba 2019 in Kenya due to the quality of my research in Machine Learning.
July 2019	DataHack4FI Season 3 Country-Level Winner (Ghana) Being the Data Enthusiast of the first prize winning team of the DataHack4FI Season 3 Innovation Award
April 2019	Microsoft Award For being the third best poster presenter at the IndabaX Ghana, 2019 poster presentations
November 2018	Successful Applicant DataHack4Fi Innovation Award - Season 3
August 2017	Next Einstein Full Initiative Scholarship Part of the few awardees among thousands of applicants on the African continent

SKILLS

Programming Languages	Python	R	Java/C++	Javascript / PHP
Technical Skills	Artificial Inteligence	Deep Learning	NLP	Machine Learning
Web Development	Django	Git	HTML/CSS/Boostrap	Bash
Language Skills	English	French	Dagaare	Twi
Soft Skills	Public speaking	Team Player	Fast learner	Determined

ADDITIONAL DETAILS

Hobbies & Interests	Playing the Trumpet, Listening to music, Programming , Reading novels
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REFERENCES

Name	✉	Institution
Prof Kaninda Musumbu	musumbu@gmail.com	University of Bordeaux, France
Dr Saliou Diouf	saliou_diouf@aims-senegal.org	AIMS, Senegal