Isaac Kobby Anni

"Defeat, say they, is with those who accept it" - I. K. Anni

Education and Training

Academic skills acquired

2020–2021   **MSc in Mathematical Sciences**, *African Institute for Mathematical Sciences*, Senegal, .

Specialized in Big Data|Finance.
Expected Grade: **Very Good Pass**
Detailed achievements:
- Machine Learning/Deep Learning;
  - Computer Vision
  - Natural Language Processing
  - AI with Finance
- Database and Management System
- Probability and Statistics; Descriptive Analysis for qualitative and quantitative data
- Data Mining and Big Data Analytics
- Computational Finance

2015–2019   **BSc in Financial Mathematics**, *University for Development Studies*, Navrongo-Ghana, .

Specialized in Corporate Finance
Final Grade: **Second Class(Upper Division)**
Detailed achievements:
- Capital Structure
- Corporate Finance
- Financial Management

Masters Thesis

Title   *Structural Approach to Credit Risk Modeling*

Supervisor   Dr. Conall Kelly. Director MSc Financial & Computational Mathematics, University College Cork, Ireland

Description   This thesis explores stochastic models of a company's value to investigate the likelihood credit default events where the value of the company falls below the level of bankruptcy.

Bachelors Thesis

Title	*Effects of Capital Structure on the Profitability of Financial Firms on the Ghana Stock Exchange*
Supervisor	Dr. Douglas K. Boah. Snr Lecturer, University for Development Studies, Ghana
Description	This thesis explored the spread of capital structure that improves the profitability of firms considering independent variables like return on assets, debt ratio etc.

Work Experience

Vocational

08/2021– 02/2022 **Data Scientist, Intern**, OBERTYS, Senegal-Dakar.
This is a six months project with the company in Fintech services on credit scoring modeling.

Detailed responsibilities:
○ Data analysis
○ Data engineering
○ Model evaluation

09/2019– 08/2020 **Legal Administrative Assistant**, ADVANS GHANA SAVINGS & LOANS LIMITED, Accra-Ghana.
This is a one year mandatory national service.

Detailed responsibilities:
○ Learned how to prepare mortgage, debenture, Hearing Notice, Affidavits, court letters etc.
○ Learned registration of mortgage, debenture and other land documents.
○ Learned vehicle registration and change of ownership.

05/2018– 08/2018 **Summer Intern**, NEWMONT GOLDCORP CORPORATION, Accra-Ghana.
Analytical Skills and Teamwork in risk management.

Detailed responsibilities:
○ Learned how to do power bill analysis using microsoft excel
○ Learned how to do power rate review using microsoft excel
○ Finally, I learned a lot on insurance policy and reviewed them.

Miscellaneous

2020–present I have worked on the following problems:

NLP	Topic modeling, text classification, sentiment analysis, question answering.
Computer Vision	Object detection, image classification(binary and multiclass), multiclass plant disease classification using transfer learning.
Machine Learning	Credit score modeling, corporate rating modeling, regression models, time-series forecast, etc.
Graph ML	Representation learning, node embedding/classification

I have references to the source code on [my website](#)

Certifications

30/09/2021 **The Complete Web Developer, ZTM** *Udemy for Business Online Certificate of Completion*

13/07/2021	**TensorFlow Developer Certificate**	*Udemy for Business Online Certificate of Completion*
06/07/2021	**Python and Machine Learning for financial analysis**	*Udemy for Business Online Certificate of Completion*
20/05/2021	**Deep learning and Computer vision**	*Udemy for Business Online Certificate of Completion*
28/05/2021	**Power BI, Microsoft D100 Structured**	*Udemy for Business Online Certificate of Completion*

Awards

2020	**African Institute for Mathematical Sciences**	*Fully funded masters scholarship*

Computer skills

Basic	Hadoop,SQL, MongoDB, Postgres
Intermediate	JAVASCRIPT,CSS, React HTML, LATEX, Linux, Microsoft Windows
Advanced	PYTHON; TensorFlow, Keras, PyTorch

Communication Skills

2021	Oral Presentations at the African Institute for Mathematical Sciences
2020	Project presentation at Advans Ghana Savings and Loans Limited
2019	Thesis defense at the University for Development Studies

Languages

English	**Proficient**	*Conversationally & grammatically*
French	**Basic**	*Basic words and phrases only*

Interests

- Tennis
- Football
- Snooker
- Dancing

References

No.1 **Professor Des Johnston**, SCHOOL OF MATHEMATICAL AND COMPUTER SCIENCES, Heriot-Watt University, .
Edinburgh, EH14 4AS, Scotland.

Contact details:
- email: D.A.Johnston@hw.ac.uk
- phone: +441314513255
- Skype:professordes
- web: www.professordes.uk