



# 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.

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 Financial Mathematics**, *University for Development Studies*, Navrongo-Ghana, .

Specialized in Corporate Finance

Detailed achievements:

- Stock Pricing
- 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.

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## 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.

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## Work Experience

### Vocational

- 08/2021– **Data Scientist Intern**, OBERTYS, Senegal-Dakar.  
02/2022 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– **Legal Administrative Assistant**, ADVANS GHANA SAVINGS & LOANS LIMITED, Accra-Ghana.  
08/2020 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– **Summer Intern**, NEWMONT GOLDCORP CORPORATION, Accra-Ghana.  
08/2018 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 spend most of my time working on minor projects that relate to the field of computer vision, natural language processing and finance. My [blog](#) contains summary of my independent and group projects I have worked on. The [Github](#) is regularly updated with new materials as often as possible

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## 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	<b>Deep learning and Computer vision</b>	<i>Udemy for Business Online Certificate of Completion</i>
28/05/2021	<b>Power BI, Microsoft D100 Structured</b>	<i>Udemy for Business Online Certificate of Completion</i>

## Awards

2020	<b>African Institute for Mathematical Sciences</b>	<i>Fully funded masters scholarship</i>
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## Computer skills

Basic	Hadoop,SQL, MongoDB, Postgres
Intermediate	JAVASCRIPT,CSS, React HTML, $\text{\LaTeX}$ , 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	<b>Proficient</b>	<i>Conversationally &amp; grammatically</i>
French	<b>Basic</b>	<i>Basic words and phrases only</i>

## Interests

- Tennis	- Snooker
- Football	- Dancing

## References

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

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