



# Isaac Kobby Anni

*"It is always possible when it is started" - Isaac Kobby 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 explores 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

- 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 spent most of my time working on minor projects that relate to the field of computer vision, natural language processing and finance. My [blog](#) contains samples of my independent and group projects I have worked on. The repository is regularly updated with new materials as often as possible

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## Certifications

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|------------|---|--|
| 13/07/2021 | <b>TensorFlow Developer Certificate</b>                   | <i>Udemy for Business Online Certificate of Completion</i> |
| 06/07/2021 | <b>Python and Machine Learning for financial analysis</b> | <i>Udemy for Business Online Certificate of Completion</i> |
| 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> |

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## Awards

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|------|--|---|
| 2021 | <b>Baum Tenper Pre-Doctoral programme</b>          | <i>fully funded post graduate certificate</i> |
| 2020 | <b>African Institute for Mathematical Sciences</b> | <i>Fully funded masters scholarship</i>       |

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## Computer skills

Basic	JAVASCRIPT, Hadoop,SQL, MongoDB, Postgres
Intermediate	CSS, 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