



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.

1418 Joal Km 2 – Mbour, Senegal

☎ (+221) 775 7121 58 • ☎ (+233) 501 1996 01

✉ isaackobbyanni@gmail.com • 🌐 Homepage

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.

Work Experience

Vocational

- 09/2019–**Legal Administrative Assistant**, ADVANS GHANA SAVINGS & LOANS LIMITED,
08/2020 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–**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 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

Awards

- 2021 **Baum Tenper Pre-Doctoral programme** *fully funded post graduate certificate*
- 2020 **African Institute for Mathematical Sciences** *Fully funded masters scholarship*

Computer skills

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

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2019 Thesis defense at the University for Development Studies

Languages

English **Proficient**

Conversationally & grammatically

French **Basic**

Basic words and phrases only

Interests

- Tennis

- Snooker

- Football

- Dancing

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