

# AMINA SALIFU

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## PERSONAL SUMMARY

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Resourceful team player with experience with common software applications and a social media platform. Well-verses in business organisation and strategies to modernise workplaces successfully. Determined to learn faster and advance computer skills and training in industry operations. Flexible team player and worker focused on increasing productivity and performance with conscientious and detail-oriented approaches

## EDUCATION

<b>PHD in Computer Engineering</b> , Kwame Nkrumah University of Science and Technology	November 2025
<b>BSc in Mathematical Sciences</b> , University of Development Studies GPA: 4.09	June 2021
<b>MSc in Mathematical Sciences</b> , African Institute for Mathematical Sciences	August 2022

## SKILLS

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<b>Languages</b>	R, Python, HTML, CSS, MATLAB, MINITAB
<b>Tools</b>	Git, sublime, PowerPoint, Publisher, Microsoft Office, Latex
<b>Soft Skills</b>	Time Management, Teamwork, Communication, Problem Solving, Leadership, Responsibility, Report writing, public speaking, verbal and written communication, telephone etiquette Collection of statistical data

## PROJECTS

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<b>Projects 1</b> Applications of linear algebra in data science	
<b>Projects 2</b> Data Transmission Reduction in Internet of Things Wireless Sensor Networks	Published
<b>Projects 3</b> AI smart bot for data collection of non-native English speakers	
<b>Projects 4</b> Enhancing Speech Recognition through Diverse Shared Features Accent Classification	Published
<b>Projects 5</b> A Systematic Review of Accent Classification Techniques and Datasets for Inclusive Speech Recognition Accepted	
<b>Projects 6</b> Improving Speech Recognition for Ghanaian Accents Using Transformer-Based Accent Classification Published	
<b>Projects 7</b> CNN-Based Accent Similarity Detection Using Masked Spectrogram Reconstruction	Revision

## VOLUNTEER SERVICES

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- Fondation Save Child.
- Brigham Health Service.
- Returned to society through teaching.

- GIMPACT DATA FELLOWS
- AI Ghana
- Women in Machine Learning Ghana Chapter
- Ghana data science

## EMPLOYMENT HISTORY

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<b>Intern</b> Hadniva Multimedia	October 2019 - January 2020
<b>Intern</b> Brigham Healthcare Service	Mai 2019 - Mars 2022
<b>Intern</b> Millennium Development Authority	October 2020 - November 2020
<b>Intern</b> Consolidated Bank Ghana	October 2020 - December 2020
<b>Intern</b> World bank	September 2025 - October 2026

## CERTIFICATES

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- IBM- Data Science And Analytic Intro to Python
- IBM- Machine Learning V2
- FutureLearn
- Datacamp
- Digilogic
- Forage
- Udemy Advance Power BI

## WORKSHOP AND CERTIFICATES

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- Neural Information Processing Systems conference at Vancouver 2024
- Deep learning Indaba conference at Dakar 2024
- Deep learning Indabax conference in Ghana 2023 and 2024
- Deep learning Indaba conference in Ghana 2023
- African Conference of Women Engineers and Scientists, Kigali, with certificate
- Performance Computing for Sustainable Development, South Africa, with certificate
- Pan-African Artificial Intelligence and Smart Systems, Dakar
- EAUMP School on Mathematical Programming and Algorithms, Nairobi, with certificate
- Spring School, Mbour, with certificate
- Pycon Africa, Ghana, Accra
- Network of Clusters Training Workshop, Ghana, Kumasi.
- Women in Artificial Intelligence, Seattle.
- Women in Monitoring and Evaluation Forum, Ghana, with a certificate.
- 3i Africa Summit, Ghana, Accra.

## AWARDS AND SCHOLARSHIPS

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Undergraduate studies, mathematical science.

October 2018 - January 2021

Postgraduate, mathematical science

October 2021 - July 2022

Doctorate, Computer Engineering

January 2023 - November 2025

Won poster award for best poster in Indaba 2023 and 2024

Won a travel grant and accommodation to Vancouver 2024.

Won poster award for best poster in Ghana Data Science submit Indaba X 2025

Won poster award for best poster in the Deep Learning Indaba, Rwanda 2025

## **REFEREES**

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### **Prof. Arouna NDAM NJOYA**

Department of Computer Engineering, University Institute of Technology,  
University of Ngaoundéré, P.O. Box 455, Ngaoundéré, Cameroon

Email: [ndanjoa@gmail.com](mailto:ndanjoa@gmail.com)

### **Dr. Lema L. Seknewna**

African Institute for Mathematical Sciences, Rue KG590 ST, Kigali, Rwanda

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### **Dr. Eliane Raïssa Fankem**

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