

# AMINU MUSA

B10-1B Malam Inuwa Dutse Housing Estate Danmasara, Dutse, Jigawa State, Nigeria

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## Educational Institutions Attended & Qualifications

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| [Year]    | [Name of school]                                    | [Certificate Obtained]              |
|-----------|---|-------------------------------------|
| 2022-2025 | African University of Science and Technology, Abuja | Ph.D. Computer Science              |
| 2020-2022 | Bayero University Kano                              | M.Sc. Computer Science              |
| 2013-2017 | Federal University Dutse                            | B.Sc. Computer Science              |
| 2006-2009 | Lautai Science Secondary School, Gumel              | Senior Secondary School Certificate |
| 1997-2003 | Dahiru Atta Primary School, Gumel                   | Primary School Leaving Certificate  |

## Working experience

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| [Period]  | [Employer]                            | [Role]             |
|-----------|---------------------------------------|--------------------|
| 2020-Date | Federal University Dutse              | Assistant Lecturer |
| 2019-2020 | Jigawa State College of Education     | Assistant Lecturer |
| 2018-2019 | Al'Qalam University Katsina           | System Analyst II  |
| 2017-2018 | Digital Development Hub (DDHUB), Kano | Software Engineer  |

## Certifications

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- National Youth Service Corps (NYSC) Certificate
- Nigerian Computer Society (NCS) Membership Certificate
- Fundamentals of deep learning Certificate, Nvidia Deep Learning Institute (DLI)
- Deep Learning specialization Certificate, by Deeplearning.ai.

- Certificate in Tensorflow specialization coursera.org
- Tensorflow Developer Certificate

## Publications

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1. Performance Evaluation of Multilayer Perceptron (MLP) and Radial Basis Function (RBF) on Hand Digit Recognition: In proceeding of 2nd International Conference of the IEEE Nigeria Computer Chapter (IEEEEnigComputConf19) DOI: [10.1109/NigeriaComputConf45974.2019.8949669](https://doi.org/10.1109/NigeriaComputConf45974.2019.8949669)
  2. Application of Apriori Associative Data Mining Algorithm in Jigawa State Civil Registration Database: published in Dutse Journal of Pure and Applied Science (DUJOPAS) ISSN: 2635-3490 Vol.5 No 2b, December 2019.
  3. A Lightweight CNN-Based Pothole Detection Model for Embedded Systems Using Knowledge Distillation: in Book “Frontiers in Artificial Intelligence and Applications, IOSprints 2022”
  4. An Intelligent Plant Disease Detection System For Smart Hydroponics Using Convolutional Neural Network: In proceeding of 14th IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc 2021), Singapore University of Technology and Design (SUTD), Singapore, December 2021.
  5. Location-Aware Recommender System: A review of the current development process and future directions: published in Science in Information Technology Letters Journal(SITECH) [doi.org/10.31763/sitech.v1i1.1](https://doi.org/10.31763/sitech.v1i1.1) (May 2021).
  6. A Theoretical Framework Towards Building a Lightweight Model for Pothole Detection using Knowledge Distillation Approach, presented at the 4th International Conference on ICT Integration in Technical Education ( ETLTC-ICETM2022), Japan, January 2022.
  7. Low-Power Deep Learning Model for Plant Disease Detection for Smart-Hydroponics Using Knowledge Distillation Techniques published by MDPI in Journal of Low Power Electronics and Applications(JLPEA) DOI: 10.3390/jlpea12020024

## Profiles

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1. Linkedin: <https://www.linkedin.com/in/aminu-musa>
  2. Google Scholar: <https://bit.ly/3dqj5LD>

## Referees

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1. **Dr. Farouq Aliyu**  
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